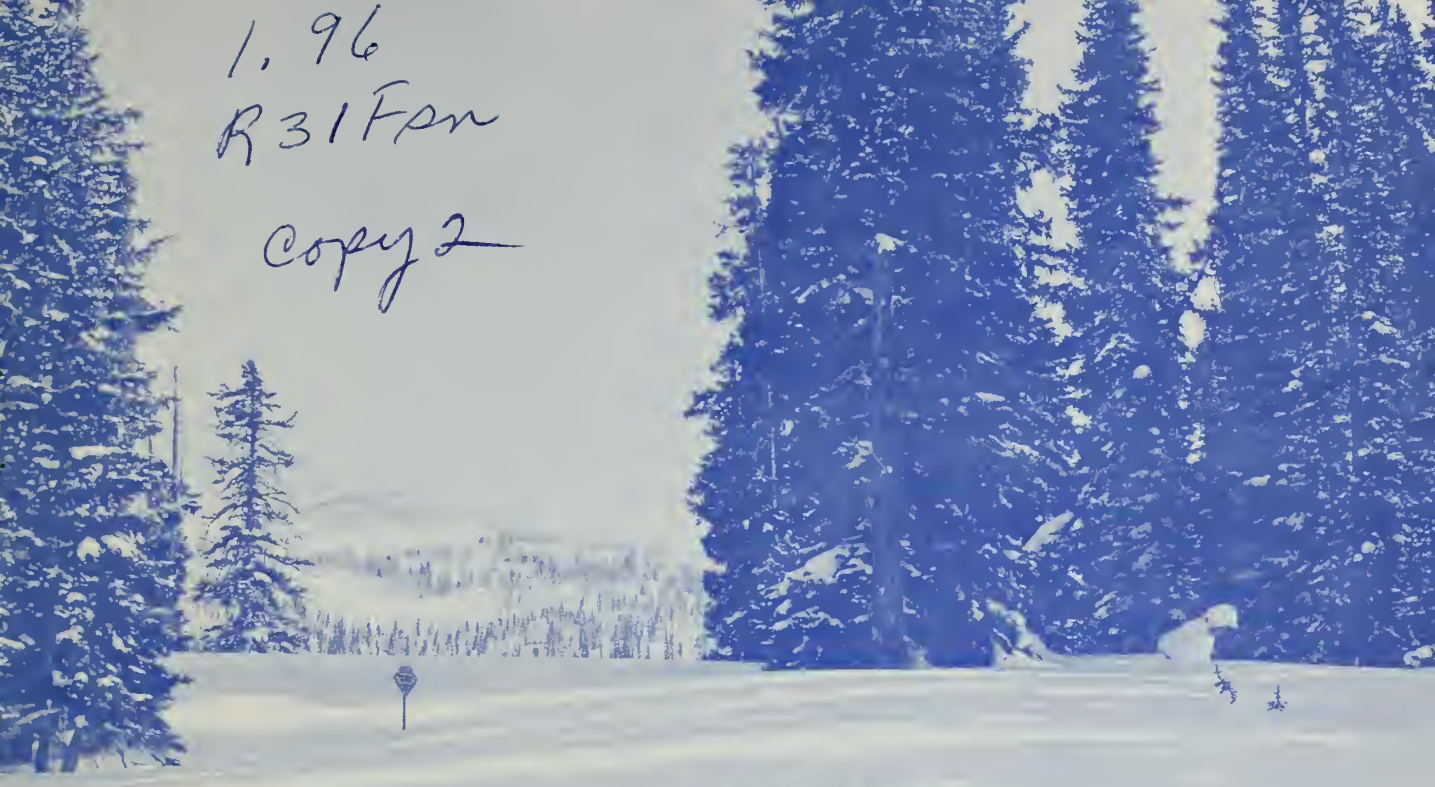

WATER SUPPLY OUTLOOK FOR NEVADA

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE.

and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
APR. 1, 1968

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 Federal Office Building, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR NEVADA

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
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Released by

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In Cooperation with

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TABLE OF CONTENTS

ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE
American Beauty	15J17a	8,11
Baker #1	14L1	7
Baker #2	14L2	7
Baker #3	14L3	7
Bald Mountain	19H1	13
Barber Creek	20H5	13
Bear Creek	15H1MA	10,11
Berry Creek	14K2	7
Big Bend	15H4MP	10,11
Big Creek Campground	17K1	6
Big Creek Mine	17K2	6
Big Creek, Upper	17K3	6
Bird Creek	14K1	7
Blue Lakes	19L5	3,4
Boca #2	20K14	2,4
Brockway Summit	20K22	2
Buckeye Forks	19L11	5
Buckeye Roughs	19L10	5
Buckskin, Lower	17H2	11,12
Buckskin, Upper	17H1	11,12
Campito Mountain	18M2	6
Carson Pass, Upper	19L4	3,4
Cave Creek	15J13	7,8,11
Cedar Pass	20H6	13
Center Mountain	19L12A	5
Chiatovich Flat	18M5	6
Clark Canyon	15N2	6
Clear Creek	19K5	3,4
Columbia Basin	16H6a	10
Corral Canyon	15J12A	8,11
Daggetts Pass	19L14	2,3,4
Denio Creek	18G6a	12
Disaster Peak	18H1	12
Dismal Swamp	20H3a	13
Donner Park #2	20K21	2
Donner Summit	20K10	2,4
Dorsey Basin	15J1MP	8,11
Dry Creek	15J3	8,11
Eagle Peak	20H7	13
Ebbetts Pass	19L19a	3
Echo Summit	20L5	2,3,4
Fawn Creek	16H8a	10
Fordyce Lake	20K7	2,4
49-Mtn.	19H3	13
Fox Creek	15H2	10
Freel Bench	19L2	2
Fry Canyon	15H7	10,11
Furnace Flat	20K8	2,4
Glenbrook #2	19K6	2,3
Goat Creek	15H13	9
Golconda #2	17J2	11
Gold Creek	15H5	10,11
Granite Peak	17H4	11,12
Green Mountain	15J9MP	8,11
Hagans Meadow	19L3M5Z	2,4
Hager Canyon	15J14	7,8,11
Harrison Pass #1	15J10	8,11
Harrison Pass #2	15J11	8,11
Hays Canyon	19H2	13
Hole-In-Mountain	15J15	8,11
Hummingbird Springs	15H15A	9,11
Independence Camp	20K4MPSTZ	2,4
Independence Creek	20K3	2
Independence Lake	20K5	2
Jack Creek, Lower	16H1M	10,11
Jack Creek, Upper	16H2A	10,11
Jacks Peak	16H4	10,11
Jakes Creek	14H1	9
Kalamazoo Creek	14K8	7
Kyle Canyon	15N5	6
Lake Lucille	20L4	2
Lamance Creek	17H5	11,12
Lamoille #1	15j4	8,11
Lamoille #2	15J5	8,11
Lamoille #3	15J6M	8,11
Lamoille #4	15J7	8,11
Lamoille #5	15J8	8,11
Lapon Meadow	18L1	5
Laurel Draw	16H5	10
Leavitt Meadows	19L8	5
Lee Canyon #1	15N4	6
Lee Canyon #2	15N3	6
Lee Canyon #3	15N8	6
Little Bally Mtn.	19H4a	13
Little Valley	19K3	2
Lobdell Lake	19L17a	5
Louse Canyon	17G4a	12
Lower Corral	17L1	6
Marlette Lake	19K4M5TZ	2,3
Martin Creek	17H3	11,12
Mathew Canyon	14M1	6
Merritt Mtn.	15H20	10
Midas	16H3AP	10,11
Montgomery Pass	18M1	6
Mt. Grant	18L2	5
Mt. Rose	19K2	2
Murray Summit	14K3	7
Oregon Canyon	17G5a	12
Pinchot Creek	18M3a	6
Pine Canyon	14M2	6
Piute Pass	18M4a	6
Poison Flat	19L6A	3,4
Pole Canyon	15J18a	8,11
Pole Creek R. 5.	15H14	9
Quinn Ridge	17H6a	12
Rainbow Canyon #2	15N7	6
Red Point	15H18a	9
Reservation Creek	20H4	13
Richardsons #2	20L3	2
Robinson Lake	15J16a	8,11
Robinson Summit	15K1	7
Rodeo Flat	15H6MP	10,11
Rubicon #1	20L1	2
Rubicon #2	20L2	2
Ryan Ranch	15J2	8,11
Sage Hen Creek	20K6	2,4
76 Creek	15H3A	10,11
Silver Creek #2	14K7	7
Sonora Pass	19L7M	3,5
Sonora Pass Snowpillow	19L23stz	3,5
Squaw Valley #2	20K19	2
Stag Mtn.	15H19a	10,11
Tahoe City	20K16	2,4
Taylor Canyon	15H9MP	10,11
Tioga Pass	19M1	5
Toe Jam	16H7a	10,11
Tremewan Ranch	15H8	10,11
Trough Springs	15N1	6
Trout Creek	18G5a	12
Trout Creek, Lower	15H10P	8,11
Trout Creek, Upper	15H11A	8,11
Truckee #2	20K13M	2
Upper Corral	17L2	6
Upper Fish Valley	19L16a	3
Upper Truckee	19L1	2
Virginia Lakes	19L13M	5
Virginia Lakes Snowpillow	19L22sz	5
Ward Creek	20K17M	2,4
Ward Creek #2	20K25STZ	2,4
Ward Mountain #2	14K5	7
Webber Lake	20K2	2
Webber Peak	20K1	2
Wet Meadows Lake	19L18a	3
White River #1	15L1	7
Willow Flat	19L9	5
Wolf Creek	19L20a	3

INDEX TO NEVADA SNOW COURSES

(By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
	SNAKE RIVER BASIN				
	SNAKE RIVER				
15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JAKES CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	REO POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800
	OWYHEE RIVER				
15H4MP	BIG BENO	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL DRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200
	INTERIOR				
	UPPER HUMBOLDT RIVER				
15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DORSEY BASIN	28	35N	60E	8100
15J3	DRY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	ROCKED FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500
	LOWER HUMBOLDT RIVER				
17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	35E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
16H7	TOE JAM a	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500
	EASTERN NEVADA				
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	23	17N	65E	9100
14K1	BIRD CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	26	16N	62E	7250
15K1	ROBINSON SUMMIT	23	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875
15L1	WHITE RIVER #1	31	13N	59E	7400
	CENTRAL GREAT BASIN				
18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
18M5a	CHICTOVICH FLAT	32	2S	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500
	NORTHERN GREAT BASIN				
19H1	BALD MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEDAR PASS (CAL.)	12	43N	14E	7100
18G6a	DENIO CREEK (OREG.)	14	41S	34E	6000
18H1	DISASTER PEAK	8	47N	34E	6500
20H3a	DISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
	LAKE TAHOE				
19L14	DAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3MSZ	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4MSTZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL)	6	13N	17E	8100
20L2	RUBICON #2 (CAL)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARD CREEK (CAL.)	21	15N	16E	7000
20K25STZ	WARD CREEK #2 (CAL.)	21	15N	16E	6750
	TRUCKEE RIVER				
20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	DONNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	DONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FORDYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000
	CARSON RIVER				
19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100
	WALKER RIVER				
19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBDELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19L23stz	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
19L22sz	VIRGINIA LAKES RIDGE	32	3N	25E	9200
	COLORADO				
	LOWER COLORADO RIVER				
15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100

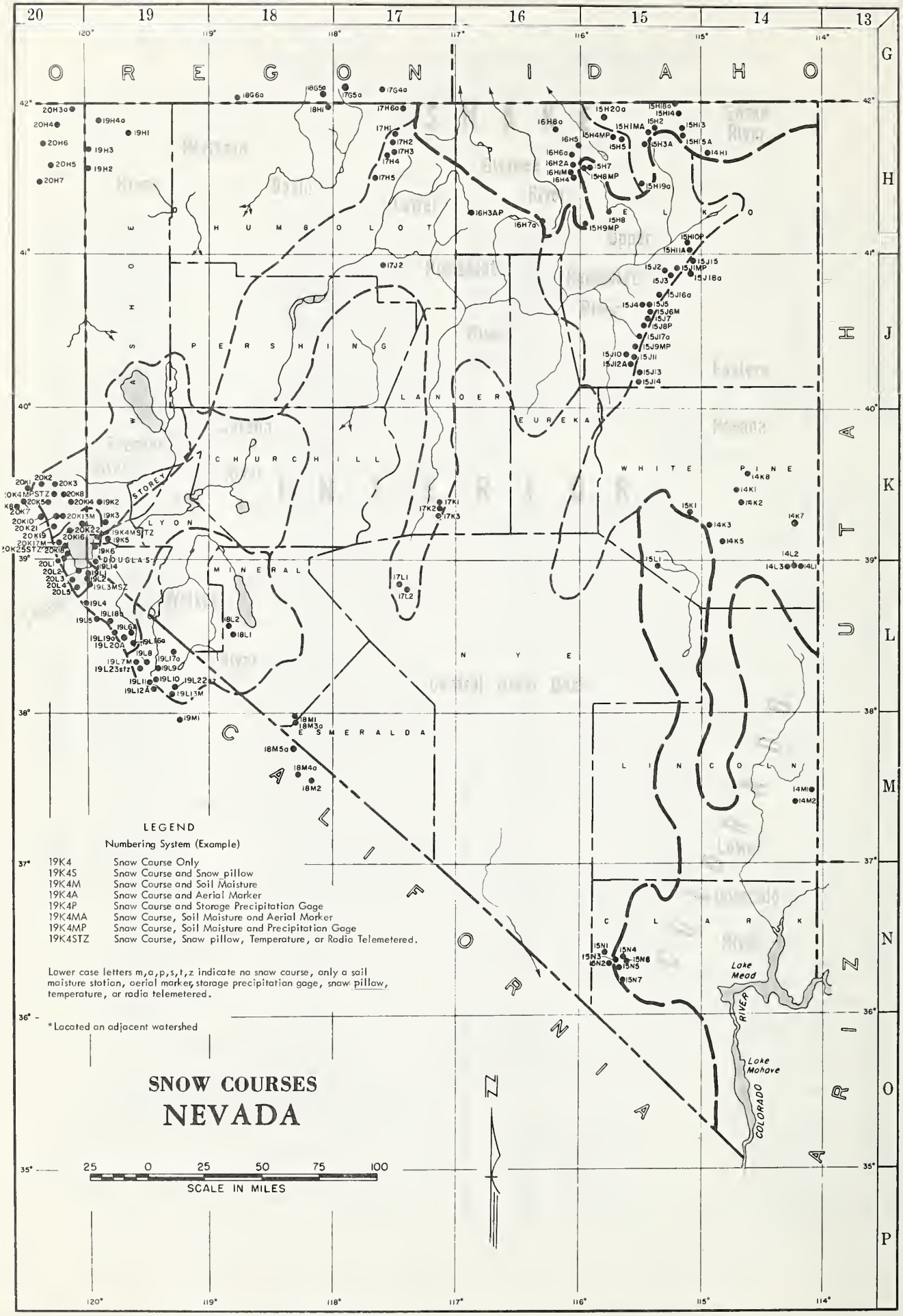
LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4S	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K4STZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERED.

LOWER CASE LETTERS m, a, p, s, t, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERED.

*LOCATED ON ADJACENT WATERSHED



U S DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK

FOR NEVADA

April 1, 1968

Nevada's 1968 water supply outlook varies from "very poor" on the Owyhee and Humboldt Rivers to "near average" on the Tahoe-Truckee Basin and "above average" on the Virgin River. Storms during March did not produce the normal precipitation, and the snow pack now ranges from 37 percent on the Owyhee to 74 percent on the Tahoe-Truckee and 85 percent on the Spring Mountains near Las Vegas. Reservoir storage is above average along the Sierras but below average on the Owyhee and Humboldt. Streamflow forecasts range from 23 percent on the Owyhee to 121 percent on the Virgin River, affecting southern Nevada.

SNOW COVER

March storms generally did not produce the usual increases to the snow pack, and it now ranges from 37 percent of average on the Owyhee to 85 percent in southern Nevada. The Tahoe-Truckee Basin is 74 percent of average, the Carson 70 percent, and the Walker 71 percent of the 1948-62 average for April 1. The Humboldt Basin is only 43 percent of average and Surprise Valley had 50 percent of average snow cover measured on April 1.

SOIL MOISTURE

Soil moisture is near capacity below the snow line on most watersheds, but soils will absorb some snow melt water as the spring melt progresses at higher elevations.

RESERVOIR STORAGE

Nevada's seven principal reservoirs, exclusive of Mead and Mohave, now hold 1,090,000 acre-feet of water, or 140 percent of the 15-year average for April 1. Storage along the Sierras is well above average, but Humboldt and Owyhee storage is below average.

STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period now range from 23 percent of average on the Owyhee, in northeastern Nevada, to 121 percent on the Virgin River, affecting southeastern Nevada.

Water supply shortages are expected for Owyhee and Humboldt water users, where low flows of 23 and 26 percent of average are predicted this year.

The East Walker River is forecast to flow 34,000 acre-feet, or 59 percent, and the West Walker 90,000 acre-feet, or 64 percent of average. Walker River water users are expected to have late-season shortages.

The Carson River is expected to flow 75,000 acre-feet (48 percent) at Fort Churchill; 90,000 acre-feet (53 percent) at Carson City; and the East Carson and West Carson 120,000 (67 percent) and 35,000 acre-feet (68 percent) respectively. The East Carson is expected to drop below 200 c.f.s. by about July 6, 1968

The Truckee Basin Water Committee forecast Lake Tahoe to rise 1.0 feet from April 1 to its maximum, assuming the gates remain closed. Releases will be made, however, to prevent the lake from reaching its maximum level of 6229.1 feet. With normal precipitation and temperature this spring, these releases will be moderate and will be managed to have small effect on high water conditions along the Truckee River. The committee forecast the Truckee at Farad to flow 200,000 acre-feet (71 percent) and the Little Truckee 68,000 acre-feet (71 percent) for the April-July period.

NEVADA STREAMFLOW FORECASTS - APRIL 1, 1968

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

BASIN and Forecast Stream	April-July Streamflow, Thousands Acre-Feet				
	Forecast 1968	15-Yr. Average 1948-62	1968 % of 15-Yr. Av.	Measured Runoff 1967	1966
TRUCKEE RIVER					
Little Truckee River above Boca, California [1]	68	78	87 (71)	174	48
Truckee River at Farad, Calif. [1,2]	200	269	74 (71)	550	145
Lake Tahoe [1,3]	1.0	1.47	68 (67)	2.74	.71
CARSON RIVER					
East Carson near Gardnerville, Nev.	120	179	67	309	124
West Carson at Woodfords, Calif.	35	52	68	76	37
Carson River near Carson City, Nev.	90	169	53	353	95
Carson River at Ft. Churchill, Nev.	75	155	48	326	80
East Carson near Gardnerville, Nev. (Date of 200 c.f.s. flow)	7/6	7/20		8/31	6/27
WALKER RIVER					
East Walker near Bridgeport, Calif. [4]	34	57	59	136	35
West Walker below E. Fork near Coleville, California	90	140	64	236	102
COLORADO RIVER					
Virgin River at Virgin, Utah [5]	52	43	121	NA	39

(Continued)

BASIN and Forecast Stream	April-July Streamflow, Thousands Acre-Feet: Forecast 1968	15-Yr. Average 1948-62	1968 % of 15-Yr. Av.	Measured Runoff 1967	Measured Runoff 1966
HUMBOLDT RIVER					
Lamoille Creek near Lamoille Nev.	15	26	58	25	14
So. Fk. Humboldt near Elko, Nev.	22	60	37	72	22
Marys River above Hot Springs, Nev.	14	34	41	27	11
No. Fk. Humboldt at Devils Gate, Nev.	8	34	24	27	7
Humboldt River at Palisade, Nev.	45	173	26	200	55
Humboldt River at Comus, Nev.	30	127	24	134	40
Martin Creek near Paradise, Nev.	5	17	29	25	5
SNAKE RIVER					
Owyhee River near Owyhee, Nev. [6]	18	74	24	72	19
Owyhee near Gold Creek, Nev. [6]	5	22	23	11	4
Salmon Falls Creek near San Jacinto, Nev. [7]	45 43	78 76	58 57	71 67	36 33
SURPRISE VALLEY					
Bidwell Creek near Ft. Bidwell, Calif. [8]	8.0	12.3 *	65	14.7	NA
Mill Creek near Cedarville, Calif. [8]	3.6	5.5	65	5.6	2.3
Deep Creek near Cedarville, Calif. [8]	2.2	3.8	58	2.4	1.6
Eagle Creek near Eagleville, Calif. [8]	3.5	5.2	65	3.8	2.1

1. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company and Washoe County Water Conservation District.
2. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
3. Maximum rise, in feet, from April 1, assuming gates closed.
4. For period April through August corrected for storage in Bridgeport Reservoir.
5. April-June forecast; issued by SCS, Salt Lake City, Utah.
6. Corrected for storage in Wild Horse Reservoir.
7. March-Sept. and March-July forecasts respectively; issued by SCS, Boise, Idaho.
8. April-Sept. forecast; coordinated forecast of SCS and California Department of Water Resources, Snow Survey Units.

* Adjusted average.

** Number in parentheses is forecast as percent of long-term average.

NA Not available.

STATUS OF NEVADA RESERVOIR STORAGE

APRIL 1, 1968

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE-FEET 1968	1967	1966	April 1 15-Yr. Av. 1948-62
Owyhee	Wild Horse	33	7	4	17	18
Lower Humboldt	Rye Patch	179	72	81	179	76
Colorado	Mohave	1,810	1,669	1,677	1,734	1,357 *
Colorado	Mead	27,217	14,640	15,438	15,502	16,603
Tahoe	Tahoe	732	632	528	535	404
Truckee	Boca	41	10	5	4	9
Truckee	Prosser **	30	10	9	10	Storage began 1/30/63
Carson	Lahontan	286	258	250	217	202
West Walker	Topaz	59	59	43	59	37
East Walker	Bridgeport	42	42	32	41	30

* 1950-62

** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

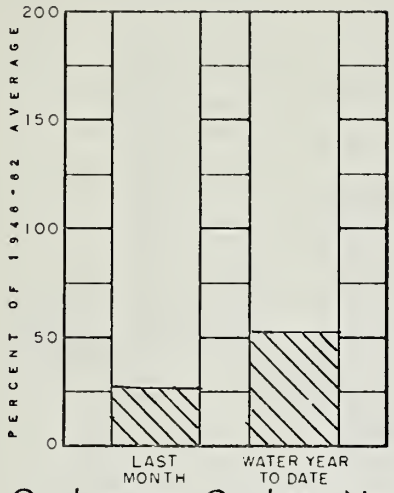
TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre-Feet

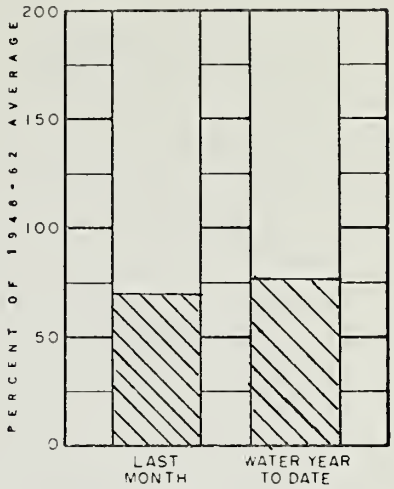
MONTH	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	Average 1948-62
October 1	338	702	497	1135	559	965	572
January 1	408	748	789	1114	593	904	622
February 1	579	776	922	1051	736	939	670
March 1	690	774	949	1035	792	1025	725
April 1	765	774	1002	1054	943	1090	776
May 1	840	818	1103	1089	978		834

TOTAL USABLE CAPACITY 1,372

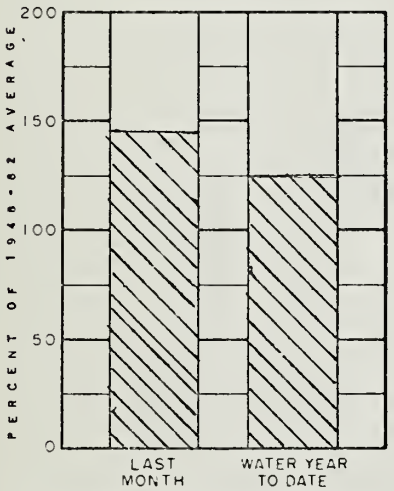
SELECTED CURRENT STREAMFLOW STATIONS



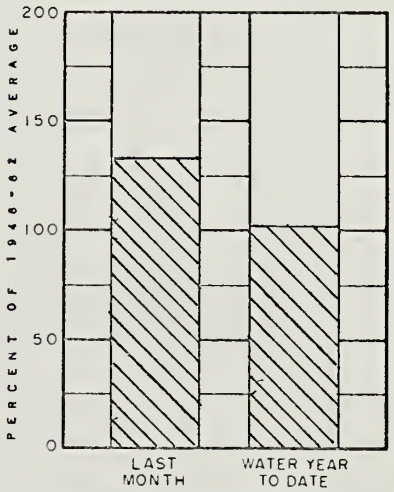
Owyhee near Owyhee, Nev.



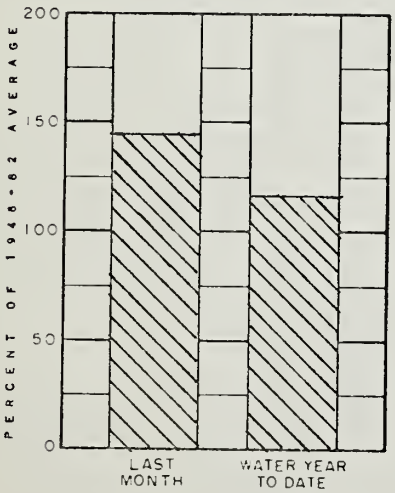
Humboldt at Palisade, Nev.



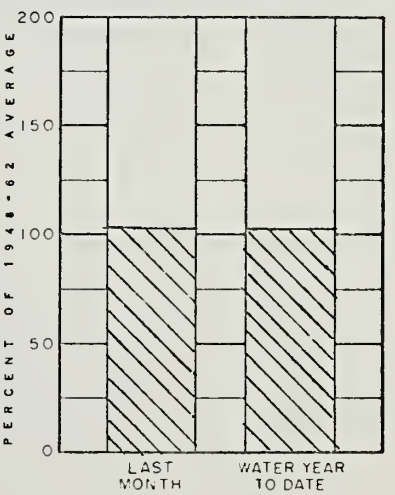
Truckee at Farad, Calif.



Carson near Carson City, Nev.



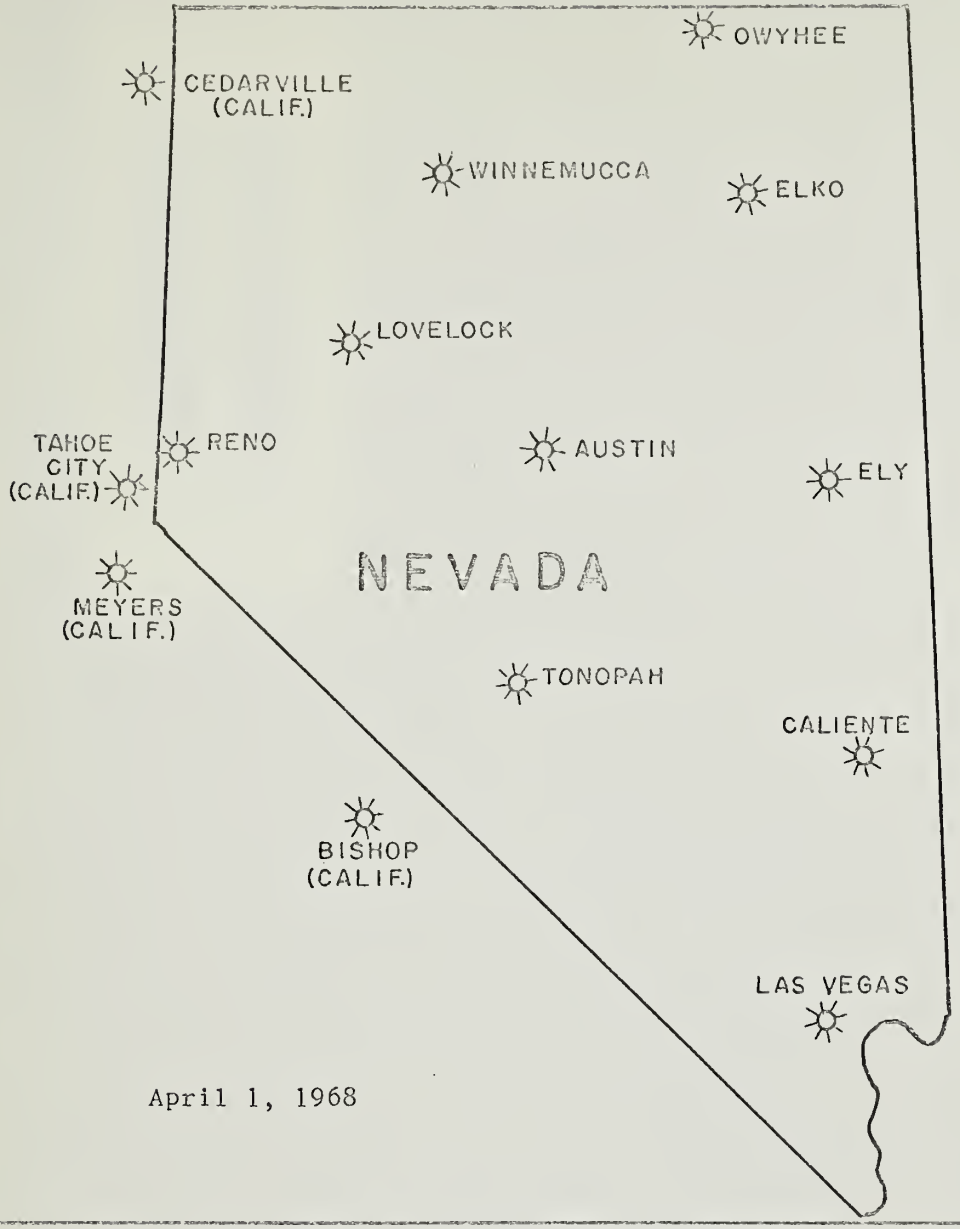
W. Walker near Coleville, Calif.



Virgin at Littlefield, Ariz.

Data furnished by U.S. Geological Survey.

SELECTED PRECIPITATION STATIONS[a]

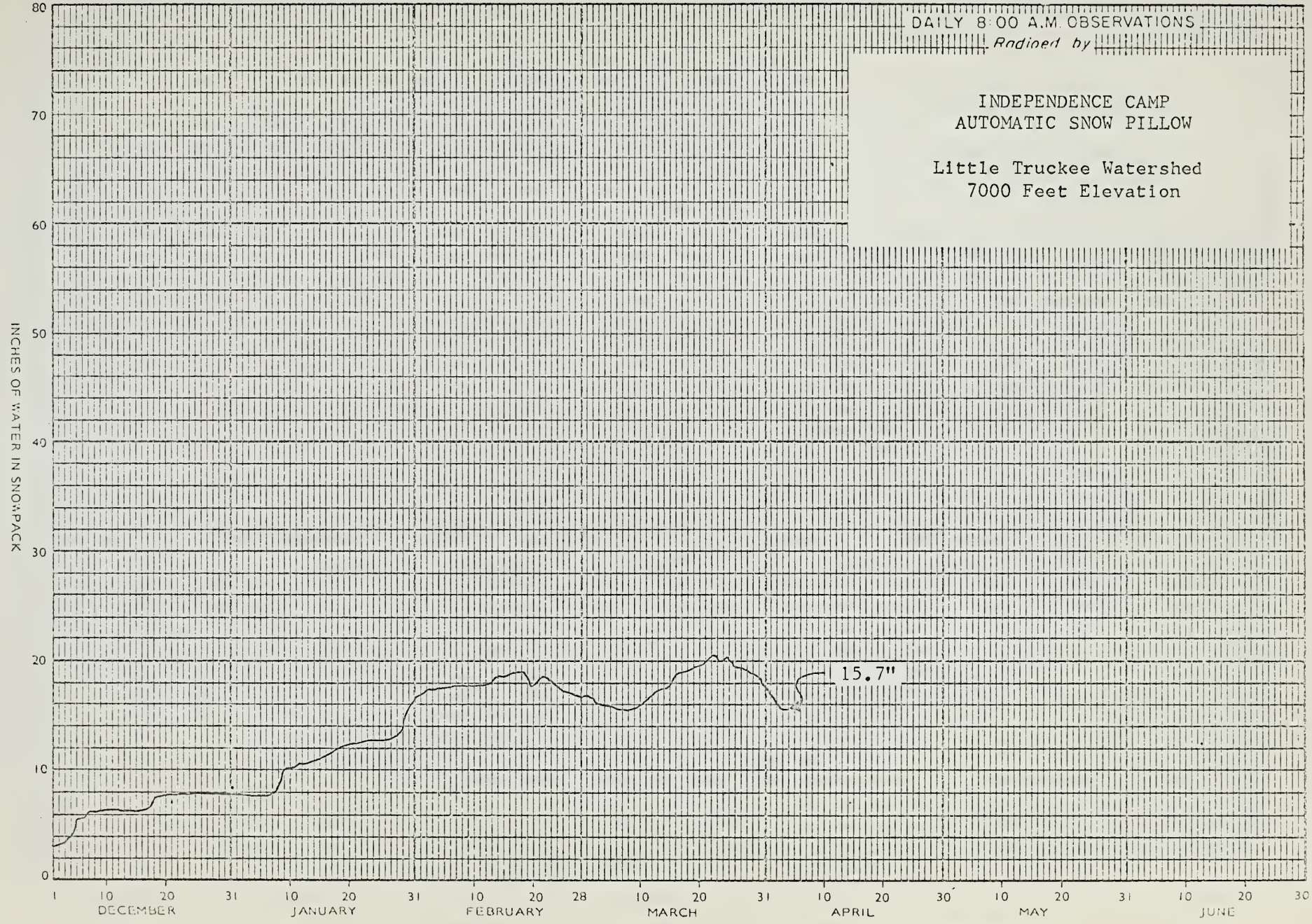


PRECIPITATION as PERCENT of the 1948-62 AVERAGE

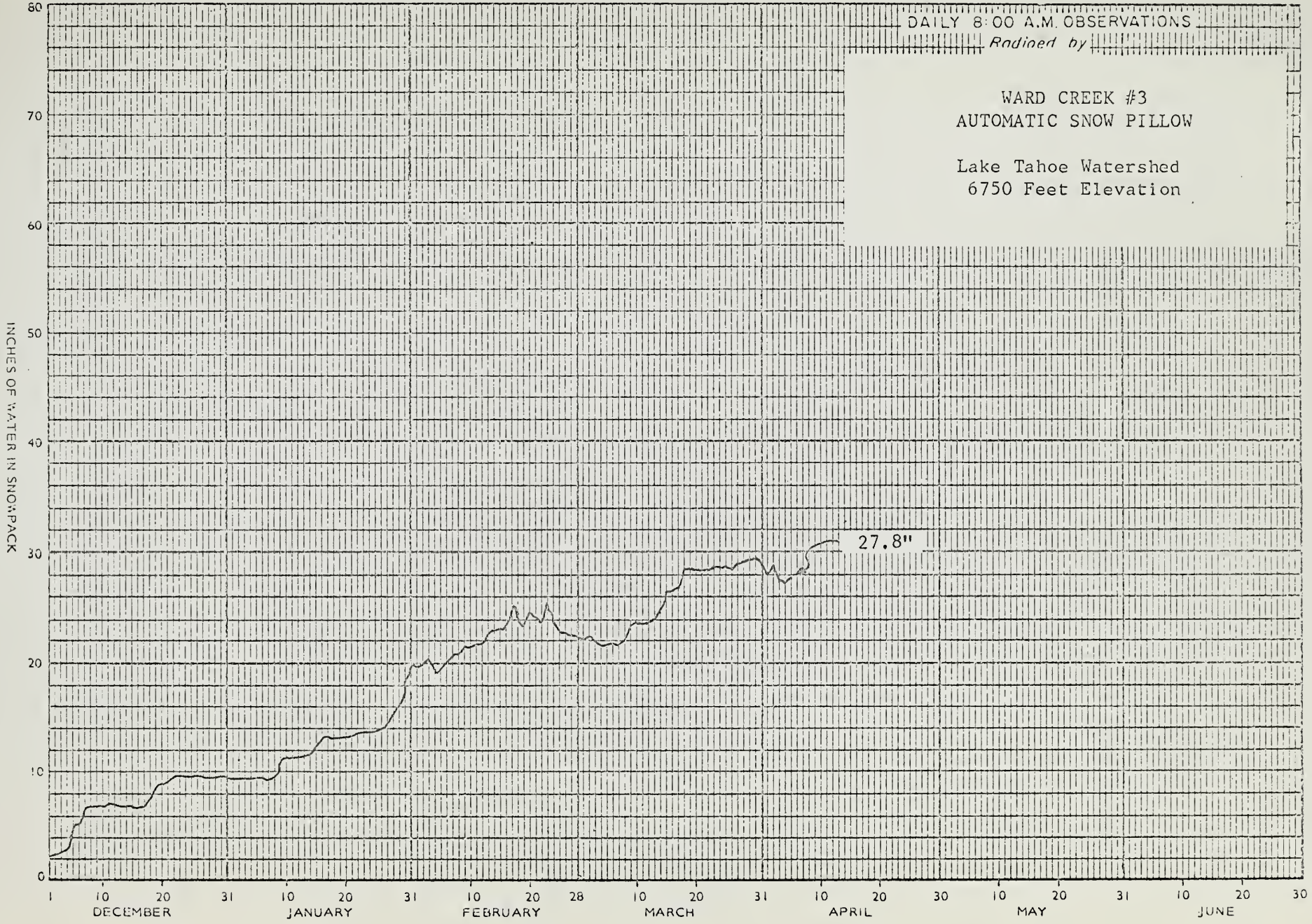
STATION	LAST MONTH	WATER YEAR[b] TO DATE	STATION	LAST MONTH	WATER YEAR[b] TO DATE
Cedarville (Calif.)	36	75	Owyhee	54	79
Tahoe City (Calif.)	80	79	Elko	130	106
Meyers (Calif.)	77	95	Ely	72	89
Bishop (Calif.)	18	43	Austin	54	56
Reno	122	77	Tonopah	57	222
Lovelock	53	66	Caliente	30	82
Winnemucca	41	69	Las Vegas	78	73

(a) Preliminary Data furnished by U.S. Weather Bureau (b) Oct.1 to date (c) Report delayed

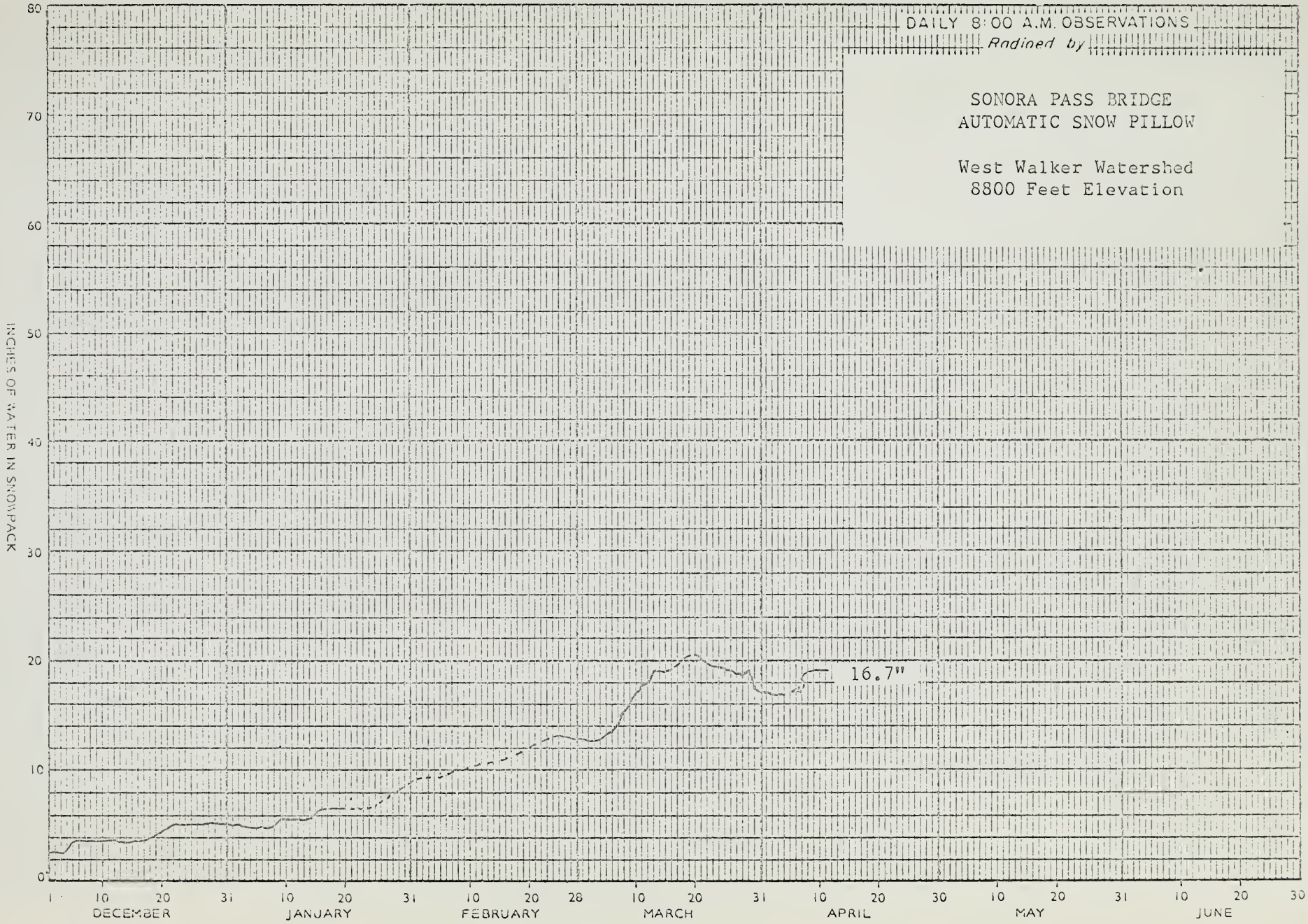
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

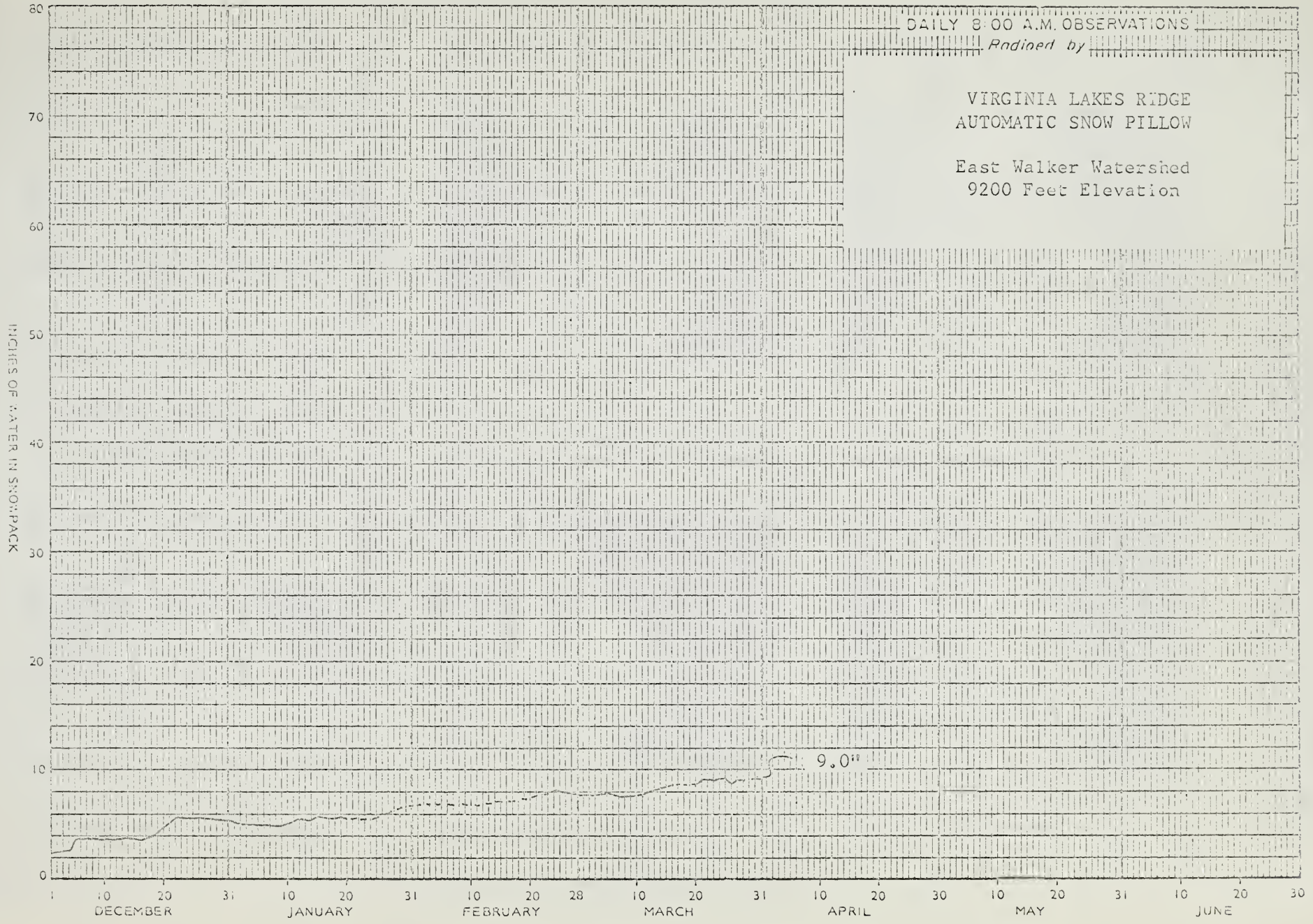


U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

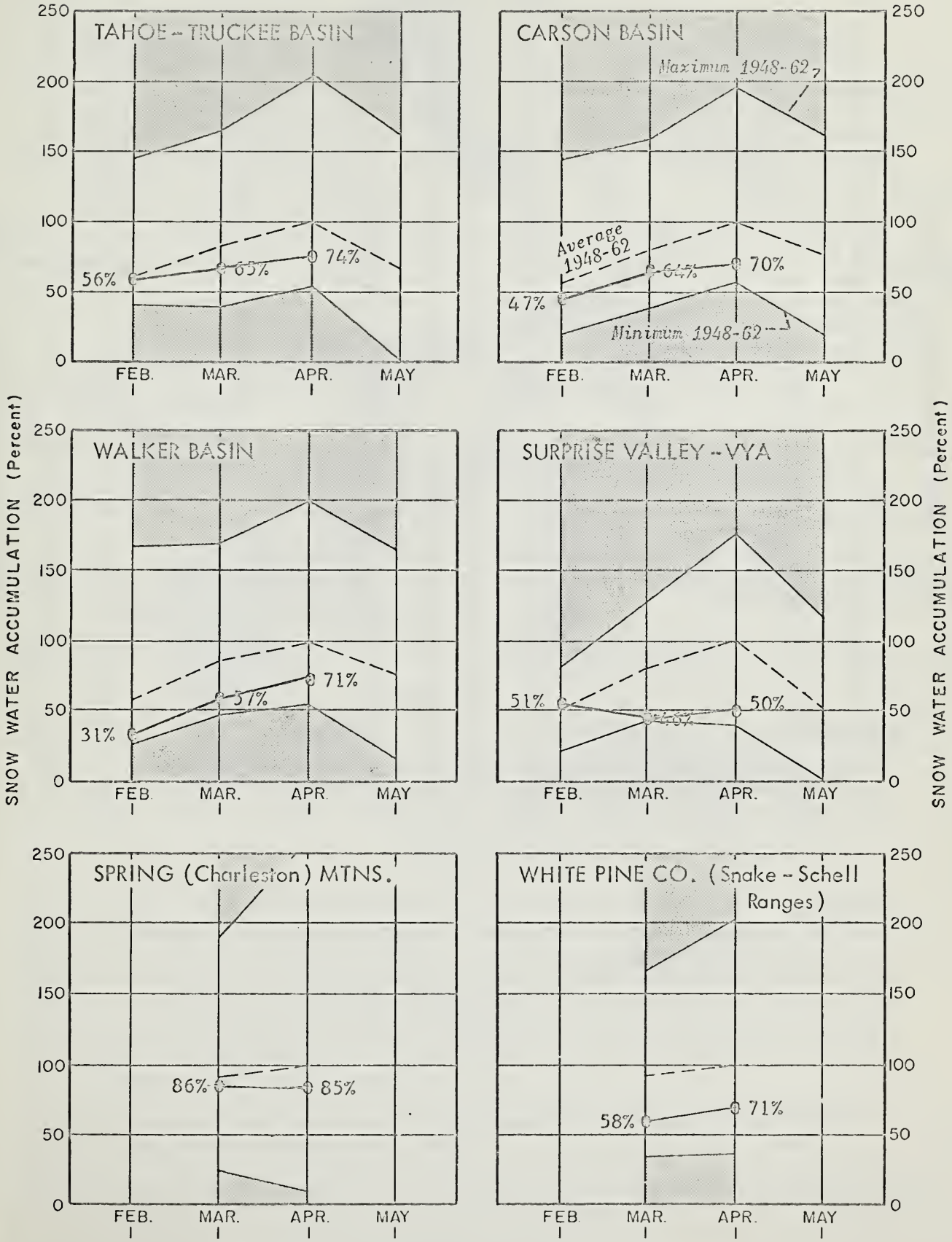



U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION
DAILY 8:00 A.M. OBSERVATIONS
Radioed by
VIRGINIA LAKES RIDGE
AUTOMATIC SNOW PILLOW
East Walker Watershed
9200 Feet Elevation
INCHES OF WATER IN SNOWPACK
80
70
60
50
40
30
20
10
0
9.0"
1
10
20
31
DECEMBER
10
20
31
JANUARY
10
20
28
FEBRUARY
10
20
31
MARCH
10
20
30
APRIL
10
20
31
MAY
10
20
30
JUNE

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1968



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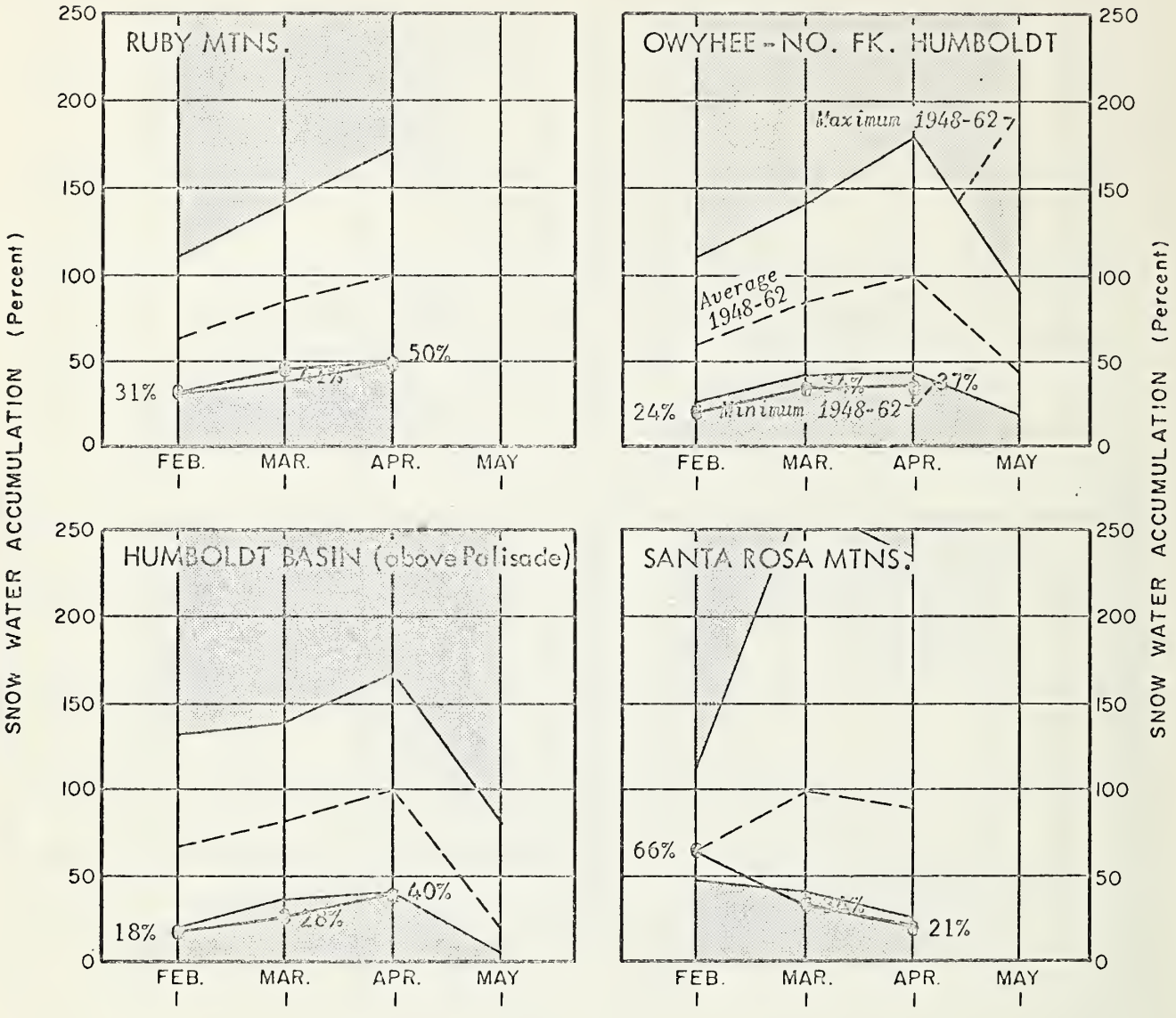
SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1968



NOTE

——— 1968

– – – – – 1948-62 Average

Report prepared by
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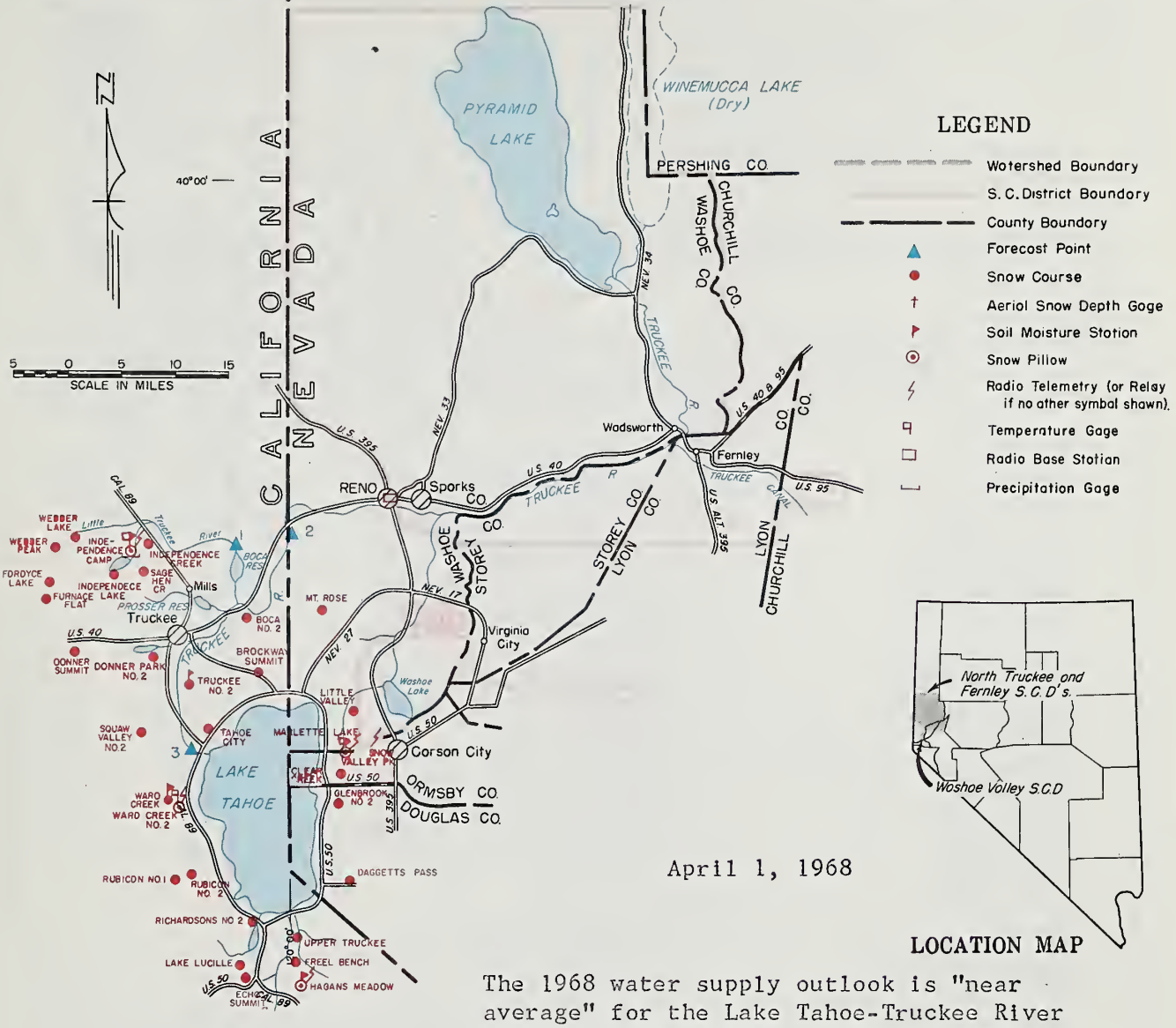
in cooperation with
NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES

WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D's.
WASHOE, STOREY & LYON COUNTIES, NEVADA



LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aeriol Snow Depth Gage
- Soil Moisture Stotion
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown).
- Temperature Gage
- Radio Base Stotion
- Precipitation Gage

LOCATION MAP

April 1, 1968

The 1968 water supply outlook is "near average" for the Lake Tahoe-Truckee River Basin. April 1 snow measurements are 74 percent of the 1948-62 average, and reservoir storage is well above average.

Storms during March did not produce the expected increases to the snow pack, and, as a result, streamflow forecasts have been reduced. Lake Tahoe is now expected to rise 1.0 feet from April 1 to maximum, assuming the gates remain closed. It now has 632,000 acre-feet of water in storage, and water will be released to prevent the lake from reaching its maximum limit of 6229.1 foot elevation. The Truckee at Farad is forecast to flow 200,000 acre-feet and the Little Truckee 68,000 acre-feet during the April-July period, according to the Truckee Basin Water Committee.

Donner Lake held 3,300 acre-feet, Independence Lake 13,300 acre-feet on April 1, and both are expected to fill.

Prosser Reservoir held 10,000 acre-feet and Boca contained 8,000 acre-feet on April 1. These reservoirs may not fill this year.

Plate 1

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS-PORTLAND, OREG 1964 M-1798-1

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	632	528	404
Boca	41	10	5	9
Prosser b/	29	10	9	--

b/ Flood control use allocation 20,000 acre-feet between November 1 to April 10.

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Little Truckee River above Boca	68	174	78
2. Truckee River at Farad, Calif.	200	550	269
3. Lake Tahoe rise (In feet from April 1, assuming gates closed.)	1.00	2.74	1.47

Note: Above forecasts prepared by the Truckee Basin Water Committee.

SNOW — April 1, 1968

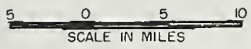
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
LAKE TAHOE						
Daggetts Pass	7350	3/25	19	7.0	21.2	12.3
Echo Summit	7500	3/29	58	22.5	46.2	38.2
Freel Bench	7300	3/29	16	6.9	15.4	12.1
Glenbrook #2	6900	3/24	26	9.0	19.6	13.0
Hagans Meadow	8000	3/29	28	12.6	25.2	18.6
Lake Lucille	8200	3/26	114	45.3	72.4	62.3
Little Valley	6300	3/29	9	3.7	13.8	7.9 *
Marlette Lake	8000	3/28	47	19.7	32.1	21.0
Richardsons #2	6500	3/24	40	15.6	21.6	17.9
Rubicon #1	8100	3/26	110	41.8	57.7	49.8
Rubicon #2	7500	3/26	65	26.6	39.2	30.9
Tahoe City	6250	3/25	18	7.0	16.2	10.8
Upper Truckee	6400	3/29	14	5.9	13.7	8.4
Ward Creek	7000	3/28	80	32.4	53.9	47.2
TRUCKEE RIVER						
Boca #2	5900	3/29	1	0.4	7.0	5.3 *
Brockway Summit	7100	3/25	34	13.2	29.2	---
Donner Park #2	6000	3/29	46	17.2	25.1	20.8 *
Donner Summit	6900	3/27	69	30.9	48.7	39.5
Fordyce Lake	6500	3/27	77	34.7	48.0a	43.7 *
Furnace Flat	6700	3/27	90	43.0	52.8a	50.0 *
Independence Camp	7000	4/1	42	20.2	35.4	24.4
Independence Creek	6500	4/1	25	10.9	23.3	13.8
Independence Lake	8450	4/1	82	35.8	61.6	41.7
Mt. Rose	9000	3/30	56	23.5	55.7	33.0
Sage Hen Creek	6500	3/27	39	17.1	29.0	18.7
Squaw Valley #2	7500	3/30	93	40.4	70.9	51.1 *
Truckee #2	6400	3/27	37	14.6	26.3	16.2 *
Webber Lake	7000	3/27	65	25.4	41.4	33.9 *
Webber Peak	8000	3/27	97	37.6	59.3	43.5 *

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches): DEPTH	CAPACITY	SOIL MOISTURE (Inches): DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Hagans Meadow	8000	36	3.65	3/29	3.3	3.3	3.6
Independence Camp	7000	34	6.10	4/1	5.3	5.6	5.7
Marlette Lake	8000	50	3.70	3/28	2.7	2.9	3.3
Ward Creek	7000	49	5.80	2/28	5.8	6.0	5.6

WATER SUPPLY OUTLOOK

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA



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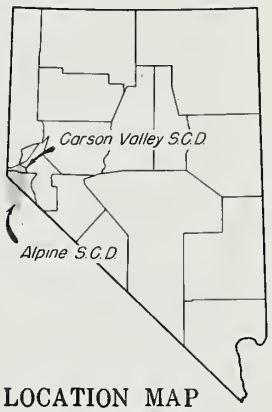


LOCATION MAP

LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown)
- Temperature Gage
- Radio Base Station
- Precipitation Gage

April 1, 1968

Carson Valley water users can expect a fair water supply this year.

Mountain snow pack is 70 percent of the April 1 average. Most of the low-elevation snow is gone and the remaining high-elevation snow will have to provide the water supply, unless above-normal precipitation occurs. Streamflow in March was 134 percent of average, and Lahontan Reservoir now holds 258,000 acre-feet, or 128 percent of average.

Streamflow forecasts are as follows:

East Carson near Gardnerville	- 120,000 acre-feet,	67 percent of average
West Carson at Woodfords	- 40,000 acre-feet,	68 percent of average
Carson River near Carson City	- 90,000 acre-feet,	53 percent of average
Carson at Ft. Churchill	- 75,000 acre-feet,	48 percent of average

The East Carson is expected to drop below 200 c.f.s. about July 6, 1968.

Plate 2

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS PORTLAND, OREG. 1968 M-1798-8

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	258	250	202

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. East Carson near Gardnerville	120	309	179
2. West Carson at Woodfords	40	76	52
3. Carson River near Carson City	90	353	169
4. Carson River at Fort Churchill	75	326	155
Date 200 c.f.s. flow East Carson near Gardnerville	7/6	8/31	7/20

SNOW

April 1, 1968

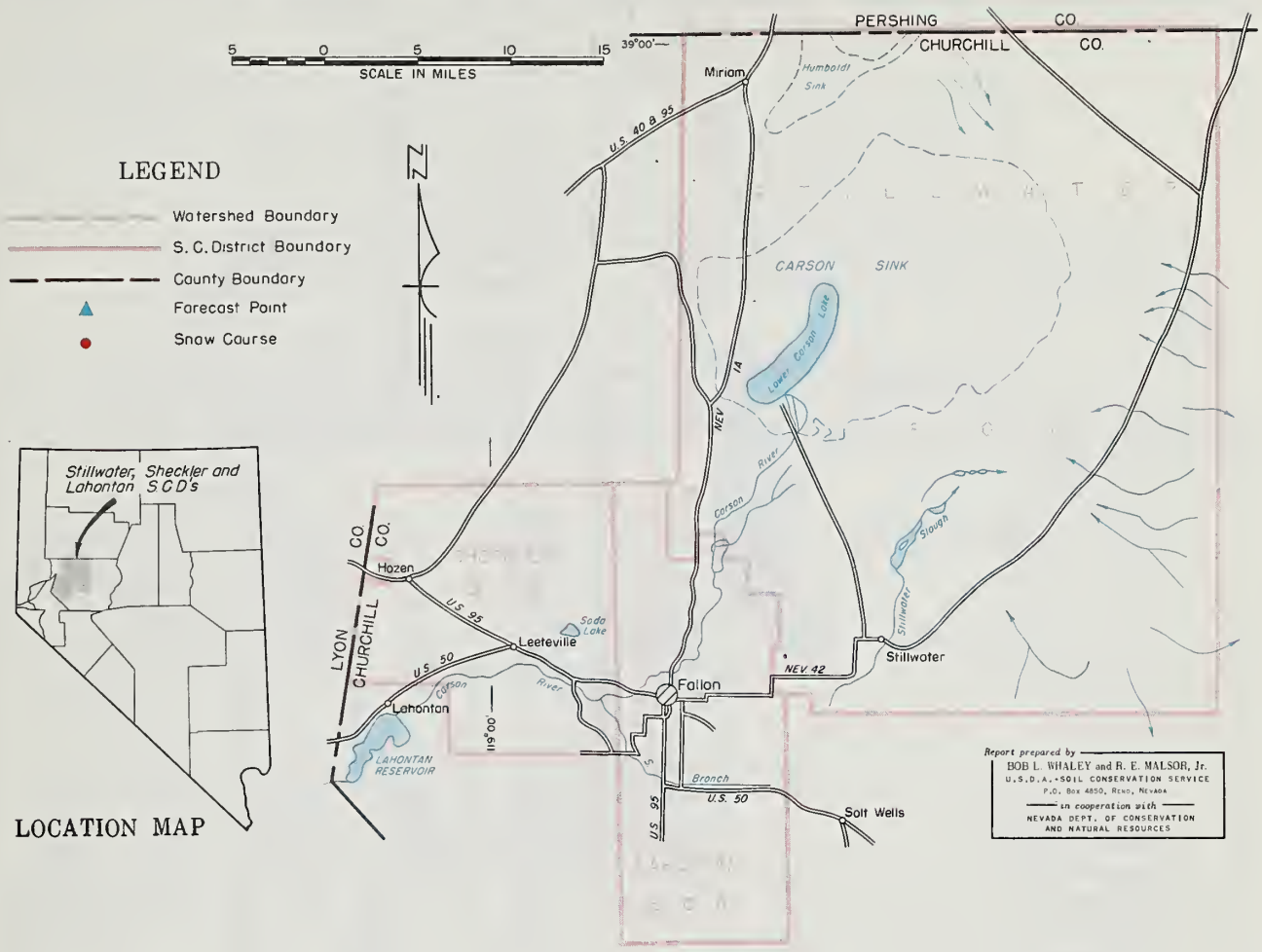
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Blue Lakes	8000	3/26	72	25.1	57.0a	35.1
Carson Pass, Upper	8600	3/26	69	28.5	50.0	35.7
Clear Creek	7300	3/29	22	8.1	21.4	13.7 *
Daggetts Pass	7350	3/25	19	7.0	21.2	12.3
Ebbetts Pass	8700	3/30	75	27.8a	---	---
Echo Summit	7500	3/29	58	22.5	46.2	38.2
Glenbrook #2	6900	3/24	26	9.0	19.6	13.0
Marlette Lake	8000	3/28	47	19.7	32.1	21.0
Poison Flat	7900	3/30	17	6.3a	23.2	15.9 *
Sonora Pass	8800	3/22	50	17.8	32.4	23.5
Upper Fish Valley	8050	3/30	21	7.8a	23.2	---
Wet Meadows Lake	8100	3/30	50	18.5a	43.2	---
Wolf Creek	8000	3/30	51	18.9a	38.8	---

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Marlette Lake	8000	50	3.70	3/28	2.7	2.9	3.3
Sonora Pass	8800	48	8.30	3/22	8.3	8.3	8.3

WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D's. & VICINITY
CHURCHILL COUNTY, NEVADA



April 1, 1968

Water users in the Fallon area can expect a good water supply this year, due to above-normal storage in Lahontan and Lake Tahoe.

The mountain snow pack in the Tahoe-Truckee Basin and the Carson ranges from 70 to 74 percent of average.

As of April 1, Lahontan Reservoir held 258,000 acre-feet, 128 percent of average, or 90 percent of capacity. The elevation of Lake Tahoe was 6228.27, which represents 632,000 acre-feet of storage, or 156 percent of average.

The Truckee Basin Water Committee forecast Lake Tahoe to rise 1.0 feet from April 1, or 68 percent of average, assuming gates are closed; and the unimpaired flow of the Truckee at Farad will be 200,000 acre-feet, or 74 percent of agerage, during the April-July period.

The Carson at Fort Churchill is forecast to flow 75,000 acre-feet, or 48 percent of average, during April-July.

Plate 3

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND, OREG 1964 M-1798-11

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	632	528	404
Lahontan	286	258	250	202

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Truckee River at Farad, Calif. **	200	550	269
2. Lake Tahoe rise** (In feet from April 1 assuming gates closed.)	1.00	2.74	1.47
3. Carson River at Fort Churchill	75	326	155

** Forecasts prepared by Truckee Basin Water Committee

SNOW — April 1, 1968

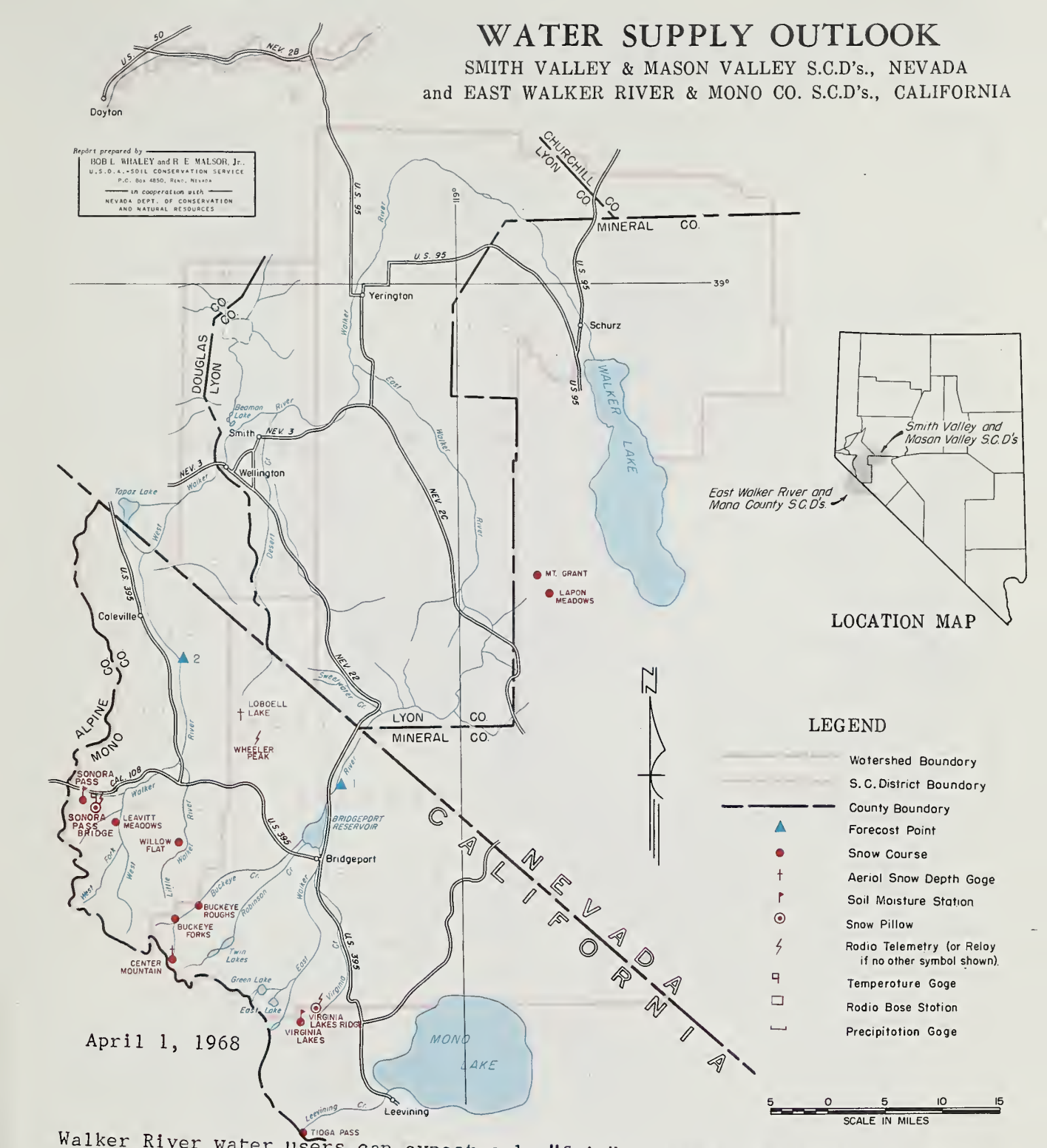
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
TRUCKEE RIVER						
Boca #2	5900	3/29	1	0.4	7.0	5.3 *
Donner Summit	6900	3/27	69	30.9	48.7	39.5
Fordyce Lake	6500	3/27	77	34.7	48.0a	43.7 *
Furnace Flat	6700	3/27	90	43.0	52.8a	50.0 *
Independence Camp	7000	4/1	42	20.2	35.4	24.4
Sage Hen Creek	6500	3/27	39	17.1	29.0	18.7
LAKE TAHOE						
Daggetts Pass	7350	3/25	19	7.0	21.2	12.3
Echo Summit	7500	3/29	58	22.5	46.2	38.2
Hagans Meadow	8000	3/29	28	12.6	25.2	18.6
Tahoe City	6250	3/25	18	7.0	16.2	10.8
Ward Creek	7000	3/28	80	32.4	53.9	47.2
CARSON RIVER						
Blue Lakes	8000	3/26	72	25.1	50.1	35.1
Carson Pass, Upper	8600	3/26	69	28.5	50.0	35.7
Clear Creek	7300	3/29	22	8.1	21.4	13.7 *
Poison Flat	7900	3/30	17	6.3a	23.2	15.9 *
Sonora Pass	8800	3/22	50	17.8	32.4	23.5

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Hagans Meadow	8000	36	3.65	3/29	3.3	3.3	3.6
Independence Camp	7000	34	6.10	4/1	5.3	5.6	5.7
Marlette Lake	8000	50	3.70	3/28	2.7	2.9	3.3
Sonora Pass	8800	48	8.30	3/22	8.3	8.3	8.3
Ward Creek	7000	49	5.80	2/28	5.8	6.0	5.6

WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D's., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D's., CALIFORNIA



April 1, 1968

Walker River water users can expect only "fair" irrigation water supplies this season. Topaz and Bridgeport Reservoirs are full but streamflow is expected to be well below average, causing water shortages after mid-summer unless above-normal precipitation occurs.

The snow pack is now only 71 percent of the April 1 average and only 48 percent of last year at this time. All low-elevation snow has melted, and watershed soils are well primed.

The East Walker is forecast to flow 34,000 acre-feet, or 59 percent of average, and the West Walker 90,000 acre-feet, or 64 percent of the 1948-62 period.

Plate 4

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS-PORTLAND, ORE. 1968 IM-1798-10

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Topaz	59	59	43	37
Bridgeport	42	42	32	30

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. East Walker near Bridgeport, Calif. **	34	136	57
2. West Walker below East Fork near Coleville, Calif.	90	236	140

** April-Aug. runoff corrected for change in Bridgeport Reservoir.

SNOW — April 1, 1968

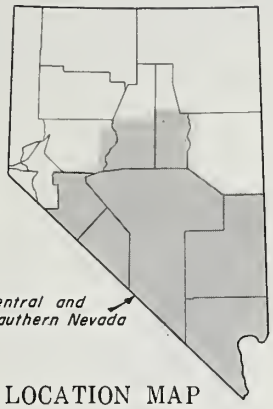
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Buckeye Forks	8500	3/26	44	15.6	29.8	19.7
Buckeye Roughs	7900	3/26	32	12.6	25.7	20.1
Center Mountain	9400	3/26	74	27.3	49.4	36.9
Leavitt Meadows	7200	3/22	6	2.2	13.9	7.0 *
Lobdell Lake	9200	3/30	24	8.2a	31.9a	---
Sonora Pass	8800	3/22	50	17.8	32.4	23.5
Tioga Pass	9800	4/2	45	16.4	32.9	22.8
Virginia Lakes	9500	3/22	32	10.6	29.6	17.5
Willow Flat	8250	3/26	15	6.0	14.6	9.8

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Sonora Pass	8800	48	8.30	3/22	8.3	8.3	8.3

WATER SUPPLY OUTLOOK

CHURCHILL, CLARK, ESMERALDA, EUREKA, LANDER,
LINCOLN, MINERAL and NYE COUNTIES, NEVADA



LOCATION MAP

Report prepared by
BOB L. WHALEY and R. E. MALSON, Jr.
U.S.D.A.-SOIL CONSERVATION SERVICE
P.O. Box 4850, Reno, Nevada
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

April 1, 1968

Streamflow and ground water recharge from the Spring Mountains are expected to be "near average" this year. The snow pack is 85 percent of average, according to recent surveys.

The Virgin River at Virgin, Utah, is expected to flow 52,000 acre-feet, or 121 percent of its April-June average.

Snow courses in Austin and Tonopah SCD's had water contents 60 and 40 percent of average respectively, and streams in those areas are expected to produce poor water supplies this season.

Little, if any, snow remains on snow courses in the Esmeralda and Meadow Valley SCD's. Streams in these areas are expected to recede earlier than usual this year.

Plate 5

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS-PORTLAND, OREG 1965 M-1798-12

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Mohave**	1,810	1,669	1,677	1,357
Mead	27,220	14,640	15,438	16,603

** Storage began in 1950

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.* NA Not available.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
Virgin River at Virgin, Utah	52	NA	43

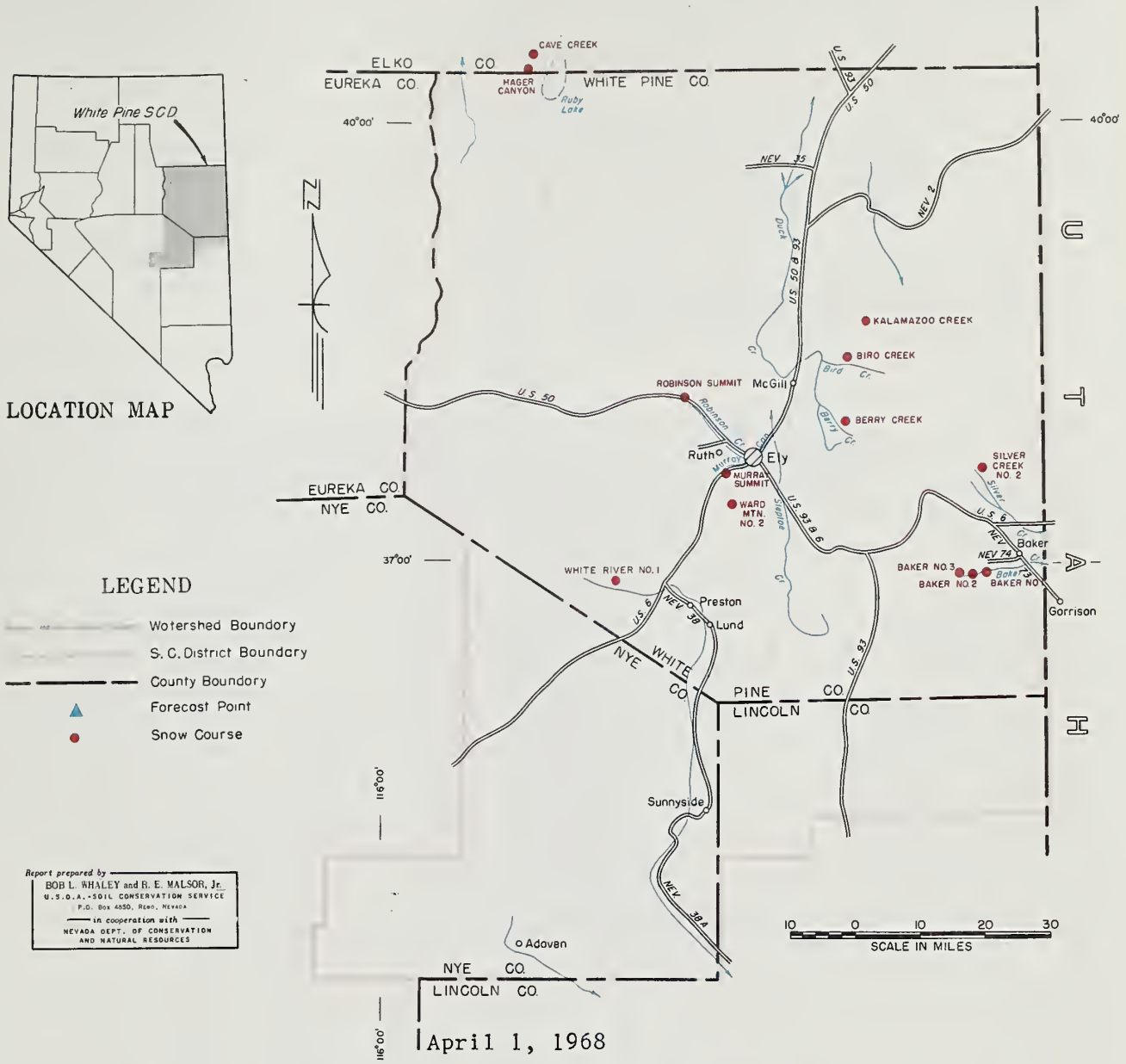
April-June forecast by SCS, Salt Lake City, Utah

SNOW — April 1, 1968

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
AUSTIN SCD						
Big Creek Camp Ground	6600	3/28	1	0.3	0.0	1.0
Big Creek Mine	7600	3/28	4	1.6	0.7	3.2 *
Upper Big Creek	8000	3/28	13	4.9	5.1	7.2 *
TONOPAH SCD						
Lower Corral	7500	3/31	4	1.3	0.0	0.9 *
Upper Corral	8500	3/31	0	0.0	0.0	2.4 *
ESMERALDA SCD						
Campito Mountain	10200	3/31	0	0.0	11.9	7.0 *
Chiatovich Flat	10500	3/30	0	0.0	14.8a	---
Montgomery Pass	7100	4/1	0	0.0	0.6	0.6 *
Pinchot Creek	9300	3/30	0	0.0	4.0a	---
Piute Pass	11700	3/30	0	0.0	12.0a	---
VEGAS VALLEY SCD						
Clark Canyon	9000	4/2	23	6.9	2.0	7.7
Kyle Canyon	8200	4/1	19	7.8	3.6	9.6
Lee Canyon #2	9000	4/1	15	6.0	4.1	9.0
Lee Canyon #3	8400	4/1	20	7.3	1.5	---
Rainbow Canyon #2	8100	4/1	43	16.0	12.9	15.2
Trough Springs	8500	4/2	13	3.3	0.9	5.8
MEADOW VALLEY SCD						
Mathew Canyon	6000	4/2	0	0.0	T	0.5 *
Pine Canyon	6200	4/2	0	0.0	0.3	0.7 *

WATER SUPPLY OUTLOOK

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



Streamflow in White Pine County is expected to be "near average" for the Snake Range near Baker and slightly "below average" on the Schell Range near McGill and Ward Mountain near Ely. Flow into Ruby Lake is expected to be well below average.

Snow cover is 96 to 125 percent of average on Baker Creek snow courses and 76 to 86 percent on the Schell Range. Lower-elevation snow courses are bare or show only a trace of snow again this month. The average of all snow courses in White Pine County is 83 percent of the 1948-62 average for April 1 and a little greater than last year at this time.

Lower-elevation streams are expected to recede earlier than usual this year unless above average precipitation occurs during the spring and summer.

Plate 6

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS-PORTLAND, OREG. 1964 M-1798-9

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

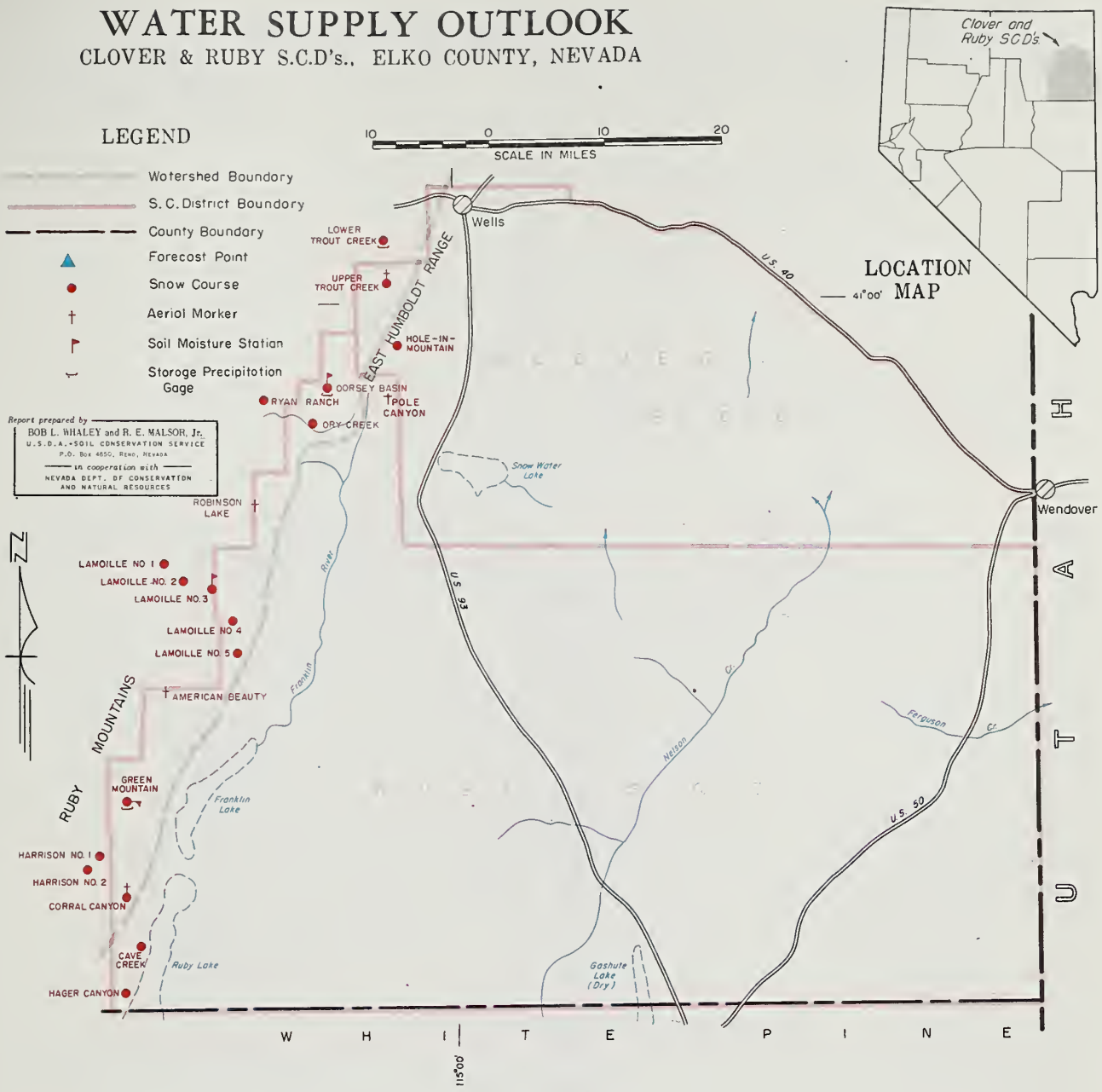
NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

SNOW — April 1, 1968

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Baker #1	7950	3/27	26	8.1	5.5	6.5
Baker #2	8950	3/27	50	15.6	15.0	16.2
Baker #3	9250	3/28	57	17.7a	16.5	18.3
Berry Creek	9100	3/28	45	14.1	13.3	16.4
Bird Creek	7500	3/28	7	2.5	2.0	3.3
Cave Creek	7500	3/25	14	4.8	8.6	15.9 *
Hager Canyon	8000	3/25	34	12.3	14.9	21.2 *
Kalamazoo Creek	7400	3/27	20	6.4	5.6	7.7 *
Murray Summit	7250	3/28	T	T	0.0	2.7
Robinson Summit	7600	3/28	0	0.0	T	1.9 *
Silver Creek #2	8000	3/28	19	5.9a	5.9	6.7 *
Ward Mountain #2	8900	3/28	21	6.5a	11.2	20.7 *
White River #1	7400	3/28	T	T	0.0	1.7 *

WATER SUPPLY OUTLOOK

CLOVER & RUBY S.C.D's., ELKO COUNTY, NEVADA



April 1, 1968

The 1968 water supply outlook for Clover and Ruby SCD's is "poor."

Snow cover along the Rubys now runs from none, at lower elevations, to only 69 percent of average on the highest elevations. Measurements on both high and low snow courses indicate only about half the average snow water is available for runoff this year.

Streams are expected to peak earlier and have poor late-season flow, unless above-average precipitation occurs during the spring and summer.

Plate 7

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS-PORTLAND OREG 1964 M-1798-6

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

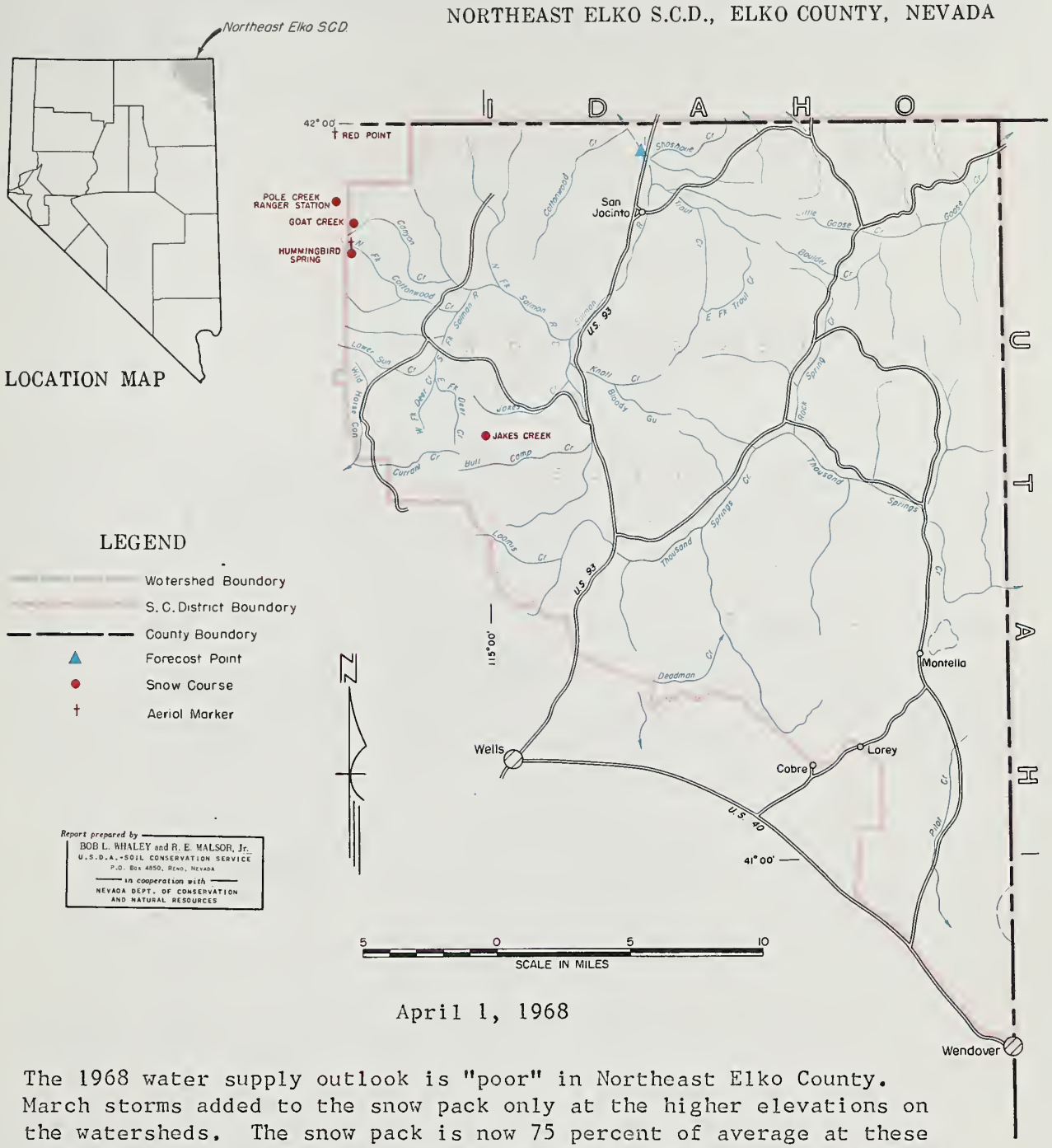
NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

SNOW April 1,1968

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
American Beauty	7800		Delayed		9.6a	---
Cave Creek	7500	2/24	14	4.8	8.6	15.9 *
Corral Canyon	8500	3/29	42	13.9	14.9	20.5 *
Dorsey Basin	8100	3/27	24	7.9	13.3	14.2
Dry Creek	6500	3/27	0	0.0	T	3.7
Green Mountain	8000	3/28	27	9.6	10.0	15.2 *
Hager Canyon	8000	2/24	34	12.3	14.9	18.6
Harrison Pass #1	6600	3/28	0	0.0	1.6	3.4
Harrison Pass #2	7400	3/28	T	T	5.1	4.8
Hole-in-Mountain	7900		Delayed		23.4	22.9 *
Lamoille #1	7100	4/1	5	2.1	10.0	10.4 *
Lamoille #2	7300	4/1	T	T	9.4	10.2 *
Lamoille #3	7700	4/1	21	7.4	12.5	13.6 *
Lamoille #4	8000	4/1	31	10.5	20.9	20.1 *
Lamoille #5	8700	4/1	55	20.8	24.8	30.0 *
Ryan Ranch	5800	3/27	0	0.0	T	1.1
Trout Creek, Lower	6900	3/22	T	T	5.0	3.0 *
Trout Creek, Upper	8500	3/22	39	13.1	20.1	23.8 *
Robinson Lake	9200		Delayed		18.8a	---

WATER SUPPLY OUTLOOK

NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA



April 1, 1968

The 1968 water supply outlook is "poor" in Northeast Elko County. March storms added to the snow pack only at the higher elevations on the watersheds. The snow pack is now 75 percent of average at these high-elevation snow courses, but little, if any, snow remains at lower elevations.

Streamflow forecasts on Salmon Falls Creek have been lowered from the amounts expected a month ago. Salmon Falls Creek is now expected to flow 45,000 acre-feet during the March-September period, or 58 percent of the 1948-62 average, and 43,000 acre-feet of this flow is expected during the March-July period.

Smaller streams in the area are expected to recede earlier than usual, unless above-average precipitation occurs during the remainder of the spring and summer.

Plate 8

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND, OREG 1964 M-1798-7

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

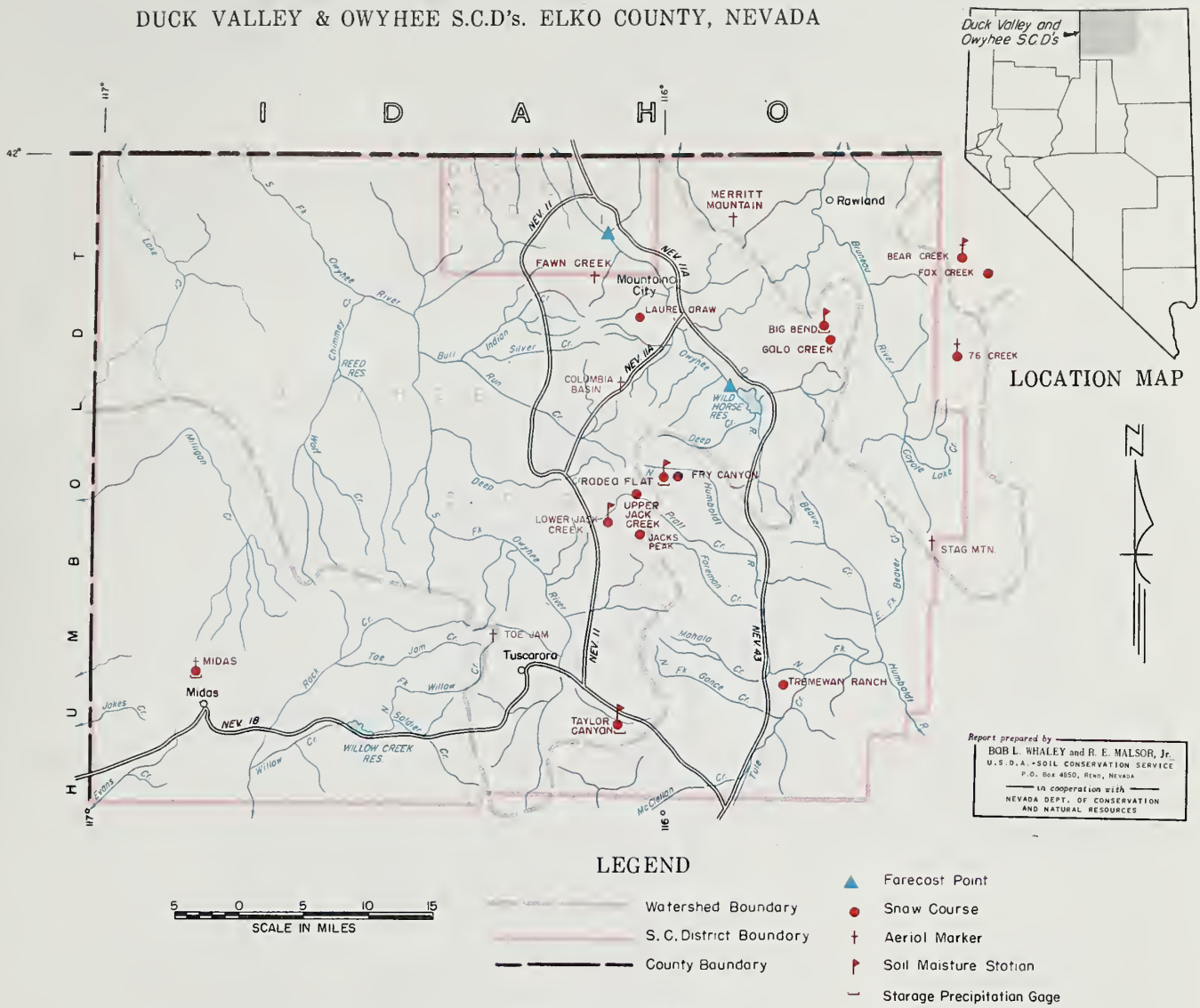
FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
Salmon Falls Creek near San Jacinto			
March-September	45	71	78
March-July	43	67	76
Forecasts issued by	SCS,	Boise,	Idaho

SNOW — April 1, 1968

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Goat Creek	8800	3/28	39	14.0	17.3	19.5 *
Hummingbird Springs	8945	3/28	48	17.3	22.3	23.0 *
Pole Creek Ranger Station	8300	3/28	44	15.8	19.8	20.2 *
Red Point	7940	3/28	18	7.0a	11.1a	---

WATER SUPPLY OUTLOOK

DUCK VALLEY & OWYHEE S.C.D's. ELKO COUNTY, NEVADA



April 1, 1968

Duck Valley and Owyhee SCD's are expected to have "extremely poor" irrigation water supplies this season.

Snow cover is now only 37 percent of the 15-year (1948-62) average for April 1, and what snow remains is on a relatively small area of the watershed above 7000 feet. Lower elevations were completely bare when April 1 measurements were taken.

Precipitation was above average at valley stations during March, but it did not produce average increases to the snow pack at higher elevations. Watershed soils are well primed at lower elevations but will need above-average precipitation to produce much runoff.

Streamflow forecasts on the Owyhee have been reduced again this month. The Owyhee at Gold Creek is forecast at 23 percent (5,000 acre-feet) and the Owyhee near Owyhee 24 percent (18,000 acre-feet) for the April-July period. Smaller streams are expected to recede much earlier than usual, unless above-average precipitation occurs during the spring and summer.

Plate 9

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE SCS-PORTLAND OREG 1964 M-1798-5

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	33	7	4	18

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Owyhee River near Owyhee **	18	72	74
2. Owyhee River near Gold Creek **	5	11	22

** Corrected for change in storage in Wild Horse Reservoir.

SNOW — April 1, 1968

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Bear Creek	7800	3/28	46	16.6	20.1	21.0
Big Bend	6700	3/25	T	T	6.1	10.7
Columbia Basin	6650		Delayed		4.2a	---
Fawn Creek	7000		Delayed		3.6a	---
Fox Creek	6800	3/28	12	5.4	---	10.9
Fry Canyon	6700	3/25	0	0.0	5.9	8.9
Gold Creek	6600	3/25	0	0.0	2.2	6.5
Jack Creek, Lower	6800	3/26	T	T	0.7	3.5
Jack Creek, Upper	7250	3/26	13	4.3	8.2	11.6
Jacks Peak	8420	3/26	60	19.4	25.6	27.5 *
Laurel Draw	6700	4/1	0	0.0	4.5	9.5 *
Merritt Mountain	7000		Delayed		6.8a	---
Midas	7200	3/25	T	T	1.1	1.9 *
Rodeo Flat	6800	3/25	0	0.0	4.1	8.2
76 Creek	7100	3/28	17	7.8	6.9a	14.5 *
Stag Mountain	7800		Delayed		8.5a	---
Taylor Canyon	6200	3/26	0	0.0	3.4	3.7
Toe Jam	7700		Delayed		3.7a	---
Tremewan Ranch	5700	3/25	0	0.0	0.0	0.7

SOIL MOISTURE

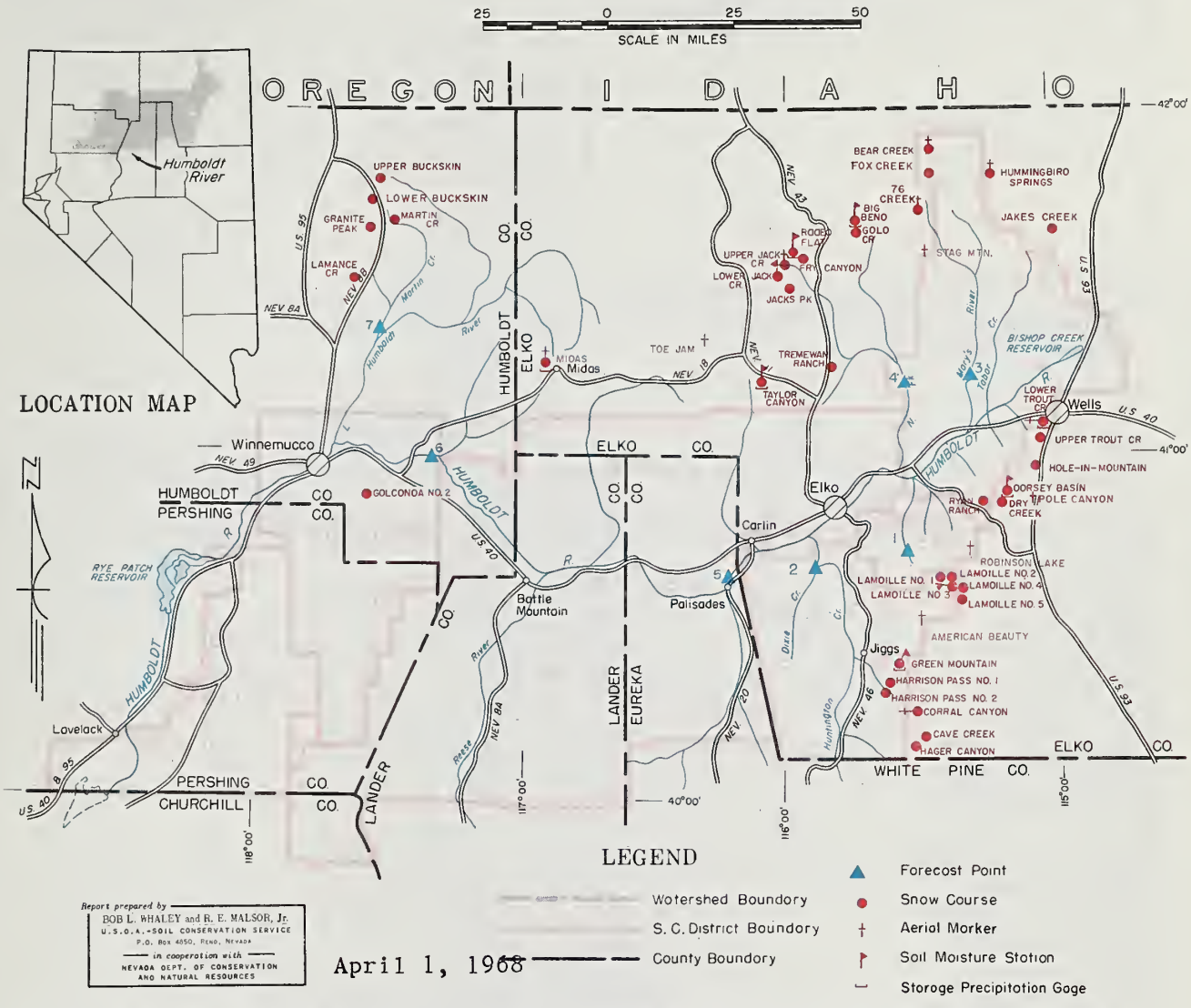
STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Bear Creek	7800	72	16.9	3/28	10.8	10.1	12.1
Big Bend	6700	48	16.7	3/25	15.8	15.6	15.4
Jack Creek, Lower	6800	48	8.7	3/26	8.3	8.4	---
Rodeo Flat	6800	42	11.0	3/25	10.9	10.6	10.6
Taylor Canyon	6200	48	15.1	3/26	14.7	14.7	12.4 c/

c/ Nearest current available

WATER SUPPLY OUTLOOK

HUMBOLDT RIVER

CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA



Report prepared by
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U.S.D.A.-SOIL CONSERVATION SERVICE
P.O. Box 4850, Reno, Nevada
in cooperation with
NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES

April 1, 1968

The 1968 water supply outlook is "very poor" for Humboldt River water users without reservoir storage. Water users with storage in Rye Patch Reservoir are expected to get only about half of their usual allotment, and this will be accomplished primarily because of good carry over storage from last year.

Snow cover in the Humboldt Basin is less than half of average for April 1 and about half as much as last year at this time. Precipitation was a little above average during March around Elko but below average at most other stations in the basin. Streamflow last month was 71 percent of average at Palisade and has been only 76 percent of average since last October 1. Rye Patch Reservoir gained 12,000 acre-feet of storage during March and now holds 72,000 acre-feet, or 95 percent of the 15-year (1948-62) average.

Streamflow forecasts for the April-July period were reduced and now range from 24 percent of average (30,000 acre-feet) for the Humboldt at Comus to 58 percent (15,000 acre-feet) for Lamoille Creek. The North Fork Humboldt is also forecast at 24 percent of average (8,000 acre-feet), and Marys River is expected to flow 24,000 acre-feet, or 41 percent of average. The Humboldt at Palisade is forecast at 26 percent of average (45,000 acre-feet). Martin Creek near Paradise is expected to flow only 5,000 acre-feet, 29 percent of its average.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS PORTLAND OREG 1968 M-1798-2

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	72	81	63

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

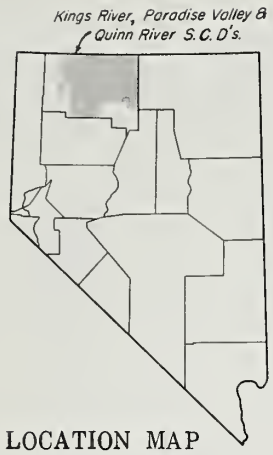
FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Lamoille Creek near Lamoille	15	25	26
2. So. Fk. Humboldt River near Elko	22	72	60
3. Marys River above Hot Springs Creek	16	27	34
4. No. Fk. Humboldt at Devils Gate	8	27	34
5. Humboldt River at Palisade	45	200	173
6. Humboldt River at Comus	30	134	127
7. Martin Creek near Paradise Valley	5	25	17

SNOW — April 1, 1968

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Big Bend	6700	3/25	T	T	6.1	10.7
Fawn Creek	7000		Delayed		3.6a	---
Fry Canyon	6700	3/25	0	0.0	5.9	8.9
Gold Creek	6600	3/25	0	0.0	2.2	6.5
Rodeo Flat	6800	3/25	0	0.0	4.1	8.2
76 Creek	7100	3/28	17	7.8	6.9a	14.5 *
Stag Mountain	7800		Delayed		8.5a	---
Taylor Canyon	6200	3/26	0	0.0	3.4	3.7
Tremewan Ranch	5700	3/25	0	0.0	0.0	0.7
American Beauty	7800		Delayed		9.6a	---
Cave Creek	7500	3/25	14	4.8	8.6	15.9 *
Corral Canyon	8500	3/29	42	13.9	14.9	20.5 *
Dorsey Basin	8100	3/27	24	7.9	13.3	14.2
Dry Creek	6500	3/27	0	0.0	T	3.7
Green Mountain	8000	3/28	27	9.6	10.0	15.2 *
Hager Canyon	8000	3/25	34	12.3	14.9	21.2 *
Harrison Pass #1	6600	3/28	0	0.0	1.6	3.4
Harrison Pass #2	7400	3/28	T	T	5.1	4.8
Hole-in-Mountain	7900	3/31	26	10.6	23.4	22.9 *
Lamoille #1	7100	4/1	5	2.1	10.0	10.4 *
Lamoille #2	7300	4/1	T	T	8.7	10.2 *
Lamoille #3	7700	4/1	21	7.4	12.5	13.6 *
Lamoille #4	8000	4/1	31	10.5	20.9	20.1 *
Lamoille #5	8700	4/1	55	20.8	24.8	30.0 *
Pole Canyon	9140		Delayed		4.1a	---
Robinson Lake	9200		Delayed		18.8a	---
Ryan Ranch	5800	3/27	0	0.0	T	1.1
Tent Mountain #1	8500		Delayed		---	---
Tent Mountain #2	7200		Delayed		---	---
Trout Creek, Lower	6900	3/22	T	T	5.0	3.0 *
Trout Creek, Upper	8500	3/22	39	13.1	20.1	23.8 *
Golconda #2	6000	3/25	0	0.0	2.4	3.6 *
Midas	7200	3/25	T	T	1.1	1.9 *

WATER SUPPLY OUTLOOK

KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D's.
HUMBOLDT COUNTY, NEVADA



LOCATION MAP

April 1, 1968

Paradise Valley and the McDermitt area can expect "extremely poor" irrigation water supplies this season. Snow cover is only 38 percent of average for all snow courses, and some lower-elevation courses were 0 to 10 percent of average.

Martin Creek is forecast to flow 5,000 acre-feet, or 29 percent of average, during the April-July period. Other streams in this area are expected to recede much earlier than usual unless above-normal precipitation occurs during the runoff season.

Plate 11

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS-PORTLAND, OREG. 1964 M-1798-3

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
*All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.*

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Bidwell Creek near Ft. Bidwell	8.0	14.7	12.3
2. Mill Creek above all diversions	3.6	5.6	5.5
3. Deep Creek above all diversions	2.2	2.4	3.8
4. Eagle Creek near mouth of canyon	3.5	3.8	5.2

Note: April-Sept. forecasts - coordinated forecasts of SCS and California Dept. of Water Resources Snow Survey Units

SNOW April 1, 1968

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Bald Mountain	6720	3/28	0	0.0	2.6	3.8
Barber Creek (Calif.)	6500	3/29	17	7.0	10.7	12.2 *
Cedar Pass (Calif.)	7100	4/1	32	12.2	13.8	17.8
Dismal Swamp (Oregon)	7000	3/27	36	14.4a	16.6a	20.6 *
Eagle Peak (Calif.)	7200	4/4	26	8.1	15.6	16.9
49-Mountain	6000	3/28	0	0.0	4.7	3.3 *
Hays Canyon	6400	3/28	0	0.0	3.2	3.7 *
Little Bally Mountain	6000	3/27	0	0.0a	0.0a	---
Reservation Creek (Calif.)	5900	3/29	11	4.2	9.0	12.4 *

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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